

The background of the slide features a teal overlay on a blurred image of a laptop on a desk. The laptop screen shows lines of code. To the right of the teal area, there are large, light gray geometric shapes, including a large triangle pointing downwards and a smaller one pointing upwards, creating a stylized 'X' or star-like pattern. A vertical yellow bar is positioned to the left of the main text.

# INTRODUCTION PACK AND PORTFOLIO

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## ABOUT STX NEXT

The story behind STX Next is a simple one.

When our CEO, Maciej Dziergwa, discovered that he could recreate a 2-month Java project in 2 weeks using Python, he knew he was onto something. 13 years later, his small side project has grown to become the largest Python software house in Europe.

During this time we've not only mastered Python, JavaScript and a range of web development frameworks, but we've also become highly proficient in speaking the language of business, all to accommodate our partners.

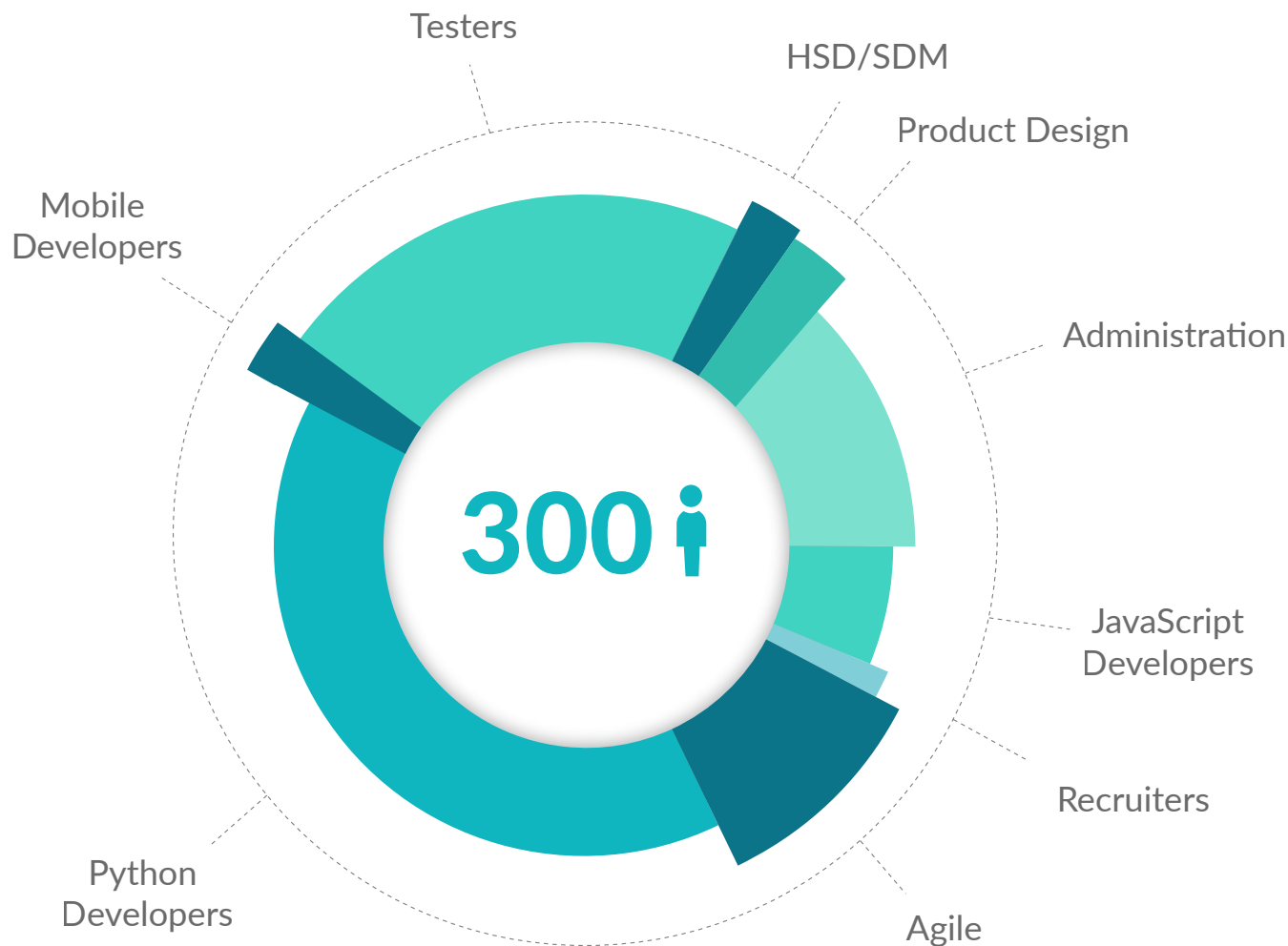
In the spirit of constant improvement, we have transformed from Agile adepts to Scrum experts. Now, we give back to the community by sharing our expertise, sponsoring conferences and organizing workshops for all technology enthusiasts.

In our work, we maximize the power of teams. No open space office. Limited remote days. Instead, we have introduced a system as simple as it is effective: **One room. One team. One project. Full focus.**

Our dedication to transparency, constant feedback and programming excellence have been recognized by long-term technology partners all over the world. We hope that you too will soon discover the sheer fun of working with STX Next.

*Maciej Dziergwa*  
CEO @ STX Next





## EMPLOYEES

Extraordinary code requires extraordinary people.

At the core of our company are our **Python and JavaScript developers**, experts and enthusiasts of their craft. Over the years, we hand-picked the most versatile programmers to expand our roster, ensuring that we can provide full-stack development solutions at any scale. Complemented by **test automation specialists and manual testers**, they can deliver world-class software in record time.

Our developers are supported by a network of **Scrum Masters, Product Owners and Service Delivery Managers** to direct and streamline the programming work. With their help, you can be sure that development will proceed at a fast, measurable and sustainable pace. The support network also ensures transparency and communication between developers and clients.

The company consists of over 300 passionate individuals in total, each of them determined to contribute to the cause of flawless code and effortless communication.

Take this graph with a grain of salt, however. It's very likely that we've already grown more.





Big data  
& Analysis



Finance



Gambling



Health care



Marketing  
& Advertising



Retail



Security



Transport

## INDUSTRIES WE SERVE

What others see as daunting, we see as doable.

With over 13 years of experience on the market and more than 200 successful projects under our belt, we are a true industry leader. While we're happy to start small, our specialty is long-term, complex projects that require both technical and business expertise.

**Our code and design empower both disruptive startups and established corporations.** For some companies the key is to have a working MVP quickly in order to validate their concept on the market. Others need to scale up their in-house development with two or three additional teams. In each case, STX Next delivers.

We understand that every industry has its own specific challenges: different functionalities, target markets and end-users. We know what questions to ask to discover any needs or potential issues. There is nothing we love more than forging a unique path to get the most out of every fantastic idea you have.

## OUR SERVICES

Put briefly, we offer you comprehensive digital product development.

The key word is 'comprehensive'. Over the years, we've realized a few things about great software that we're now putting into practice.

Great software begins long before the first line of code. That's why we begin our process with **Discovery workshops, UX/UI design** and deep analysis of your business needs.

Great software comes from great developers. When we hire programmers, we look at their **fundamental coding skills** and their ability to adapt to your project and your frameworks.

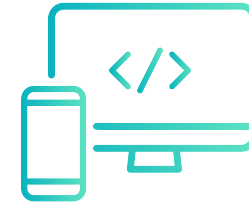
Great software requires great management. To ensure that, we offer full, **ready-to-go, interdisciplinary Scrum teams**. You don't need to babysit our developers. We manage them. You get the results.

Great software is thoroughly tested. Every piece of software we provide is subject to extensive **unit tests, functional tests**, and automated testing.

No matter the framework and no matter the scale, we can help you build a software product with excellent design, superior performance and complete reliability.

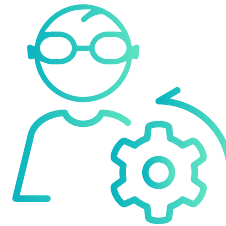


Testing



Product Design

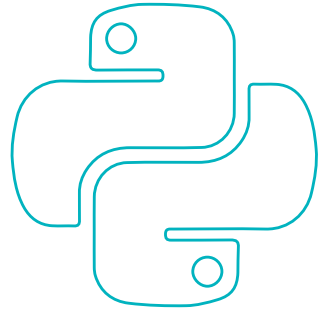
## GREAT SOFTWARE



Versatile  
coding skills

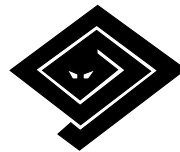


Interdisciplinary  
Scrum teams



PYTHON

django



## PYTHON

Our backend language of choice is Python, supplemented by the Django framework for most projects.

**WHY PYTHON?** Because it combines simplicity and maturity. When your code changes hands, it will be easy to read, test, and expand quickly. Python's established position on the market also allows you to enjoy strong support and a variety of dedicated libraries and frameworks. Both scaling and maintenance will be a breeze.

**WHY DJANGO?** Because it's a complete framework with most of the required tools already included. With Django, you can create custom solutions using ready-made open source components. No building from scratch and no reinventing the wheel. Django also helps with rapid prototyping; with Django's built-in tools, you can get your MVP lightning fast.

With that in mind, we are here to serve you and your project. If you are already using another framework such as **Pyramid**, **Flask**, or **Twisted**, or if there's a framework that's better suited for your particular project, we will choose the tools to ensure the best product possible. Our developers have the essential skills to make any application a reality with any given framework.

# Services

## JAVASCRIPT

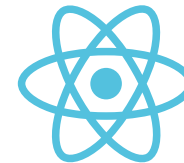
As web applications get more sophisticated on the front-end, the importance of JavaScript grows year by year. Seeking to respond to the market and provide you with everything you need to develop successful software, we have bolstered our roster with JavaScript programmers.

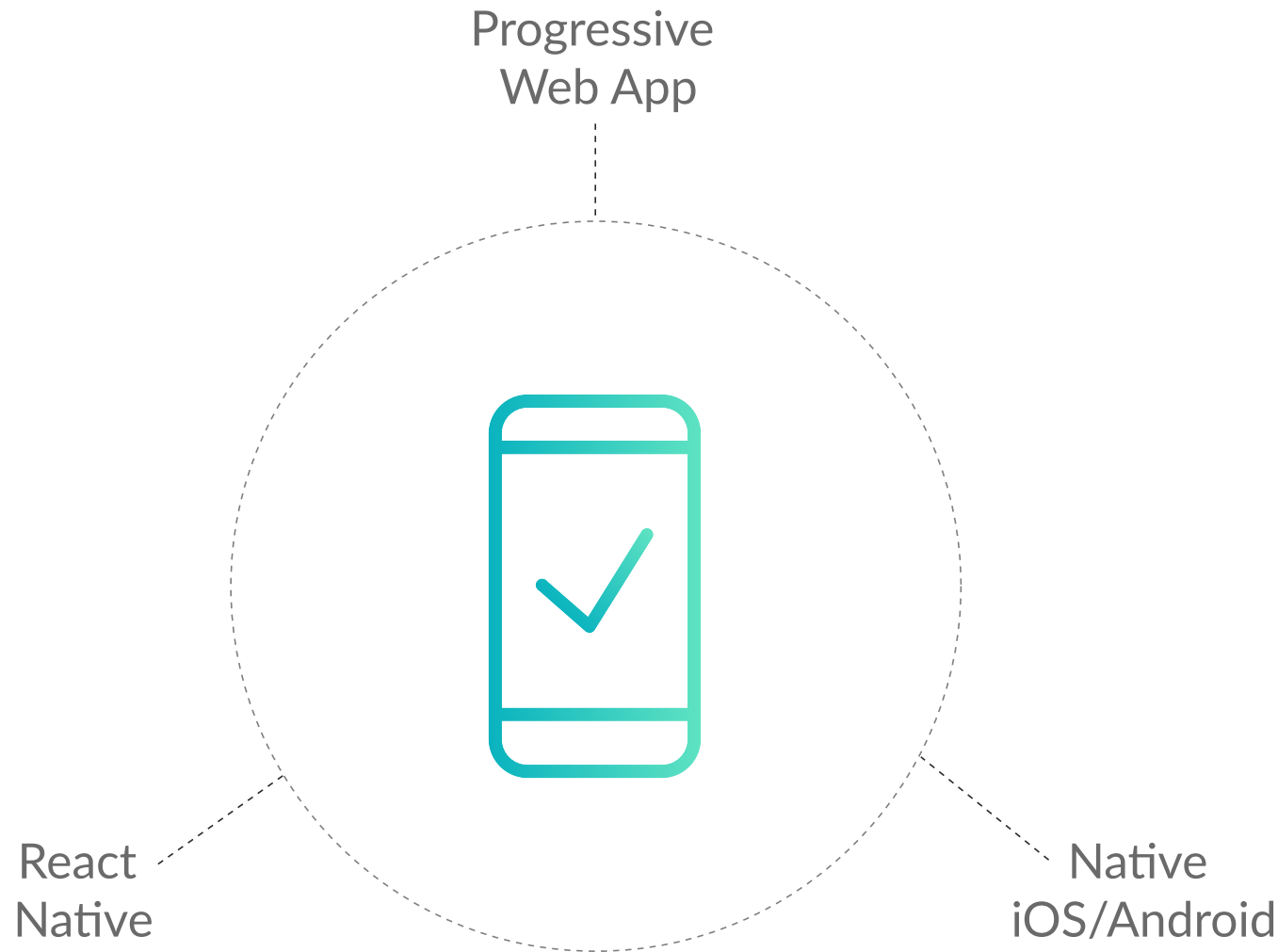
To date, we have used a variety of JS frameworks such as [Angular](#), [React](#), [Backbone](#), [Vue.js](#) and others. Each framework is a bit different, each shines in different situations, and we are perfectly aware that great software calls for the best tools for each scenario.

Our developers' general coding expertise allows them to use a variety of frameworks, and even learn new frameworks to adapt to your tech stack. For existing projects, we can accommodate any framework you have already chosen. For new projects, we will be happy to find the framework that best suits your needs.



## JAVASCRIPT





## MOBILE

The trend is clear: an increasing number of users prefer to have the option to go mobile. To meet that need, we offer a variety of mobile solutions.

If you already have a web app either planned or implemented, a [Progressive Web App](#) will allow you to penetrate the mobile market in the most cost-effective way.

For a more native-like experience and tighter integration with core smartphone features, you could create a [React Native app](#), using JavaScript to create a cross-platform codebase that compiles to native code.

We can also assist you in arranging development for a [native iOS/Android app](#) as a companion for your web app.

Our range of mobile development solutions will let you implement your project using the right tools that are optimal for your scope.

# Services

## TESTING

No product is born perfect; only extensive testing can make it so.

To this end, we employ [manual](#) and [automated testers](#) to maximize our code quality. In addition to functional tests, we are also conscientious about covering as much of our code as we can with unit tests. From the developers' side, each piece of code we provide is subject to [code review](#) from at least 2 other developers.

The benefits you gain from our approach to testing are twofold.

First, you can be sure that the application will have no critical errors when it goes live. Your users will receive fully functional, working software, every time.

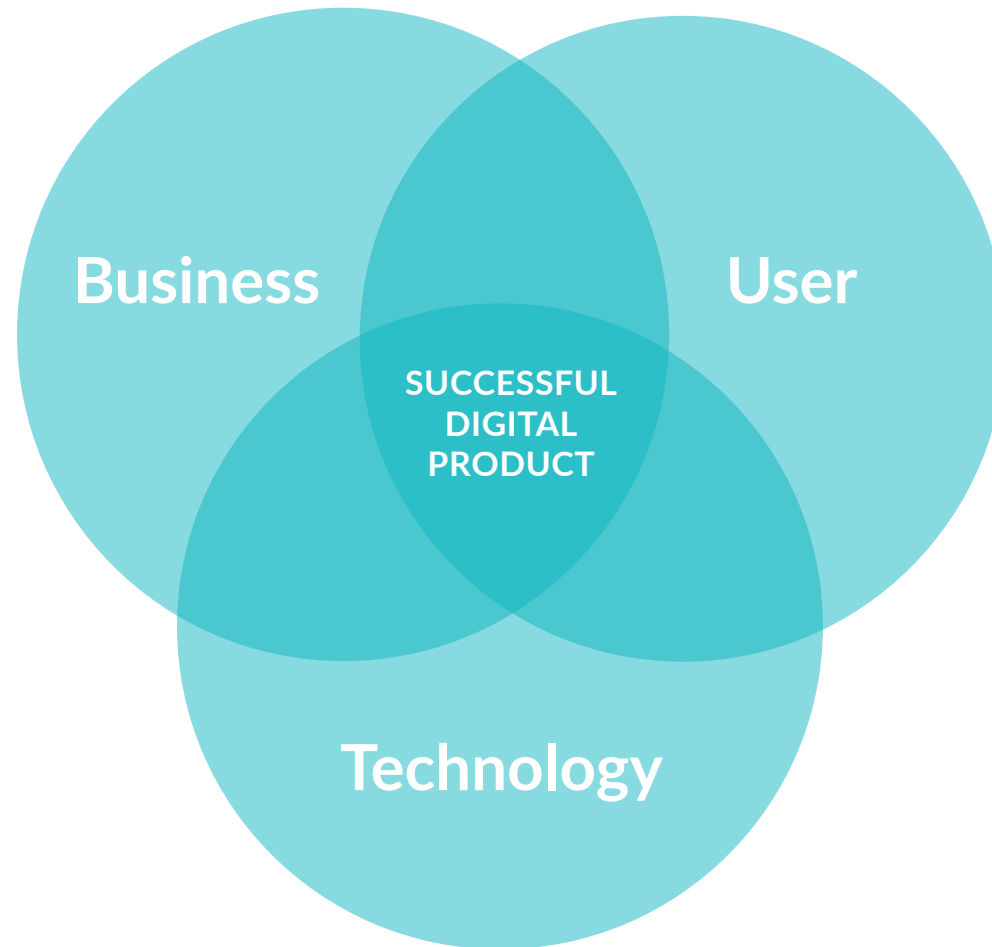
Second, an application that has high [unit test](#) coverage is easier to maintain and add functionality to. Using our previously written unit tests, we can check if new additions to the source code created any unresolved conflicts. This saves you time and money that would be otherwise spent on manual testing.

Manual  
testing

Automated  
testing



Unit  
testing



## PRODUCT DESIGN

A software product is much more than just code, and [software product design](#) is much more than just a pretty interface.

To create a successful digital product, you need to consider three aspects of your project.

First, the technology. **Is the product feasible from a technological perspective?** We can advise on the tech stack, system architecture and the overall technological viability of your product, making sure it's functional, maintainable and scalable.

Second, the business model. **Does the product have the potential to bring profit or other business value?** We can help you establish and refine your business KPIs, suggest improvements for your business model or perform market research.

Third, the user. **Is the product a pleasure to interact with and does it bring value to its target users?** Our UX and UI designers can aid you in providing your app with a slick and modern look and feel.



# Blocktrade.com

Blocktrade.com

## ABOUT

Blocktrade is a state-of-the-art crypto trading platform that prioritizes speed, reliability and safety. It allows retail users, brokers, professional traders as well as institutional money managers to trade with crypto assets and indices in a fully audited and highly secure way.



## CHALLENGE

Blocktrade's challenge was to build a top-of-the-line trading portal in the shortest possible time window and build an internal team of experts who will take over the development of the solution provided by STX Next. Working with Blocktrade, we created a web application that will allow retail users, brokers, professional traders as well as institutional money managers to trade with crypto assets and indices in a fully audited, highly secure way, performing similar to Nasdaq.

## STX NEXT DELIVERED

- › a full Scrum Team consisting of:
  - Product Owner
  - 4 Backend Developers
  - 2 Frontend Developers
  - Manual Tester
  - Automated Tester
- › Product Design
- › Full-Stack Development
- › End-to-End Solution
- › Continuous Integration
- › Automated Testing
- › Manual Testing
- › DevOps

## FEATURES

- › Highly functional trading facility with all possible order types
- › Real time updates of charts, prices and the user's portfolio performance
- › Rest API
- › Integrations with external providers:
  - Contego - users' identity verification
  - Bitgo - the external crypto wallets
  - Alpha Vantage - exchange rates
  - Safecharge - deposit and withdraw of fiat currency
  - Supporthero, Freshdesk for communication with support
  - Anychart - graph library

## TECHNOLOGIES

- › Backend: Python 3.6, Pyramid, Celery, Sanic, asyncio, RabbitMQ, OpenApi 3 (Swagger)
- › Frontend: Angular, rxjs, ngrx, anychart
- › Database: PostgreSQL
- › Deployment: Docker
- › Issue tracking system: Jira
- › Version control system: Git
- › Chat/communication: Hangout, Slack, Gmail
- › Other: Automated tests with Selenium



*Starting from an exchange of cryptocurrencies that was to provide only essential functionality, and finishing with a high-performing, secure and fully regulated trading facility, we are contributing to building the future of trading in crypto assets. We are happy to work with and learn from the experts in the crypto world. We are also proud of the way the platform looks. Our Product Design team put a lot of effort to make the trading a smooth experience for the platform users.*

— Anna Walczak, Product Owner @ STX Next

## ABOUT

Lamden is a suite of developer tools that speed up the process of creating new and custom blockchains and apps. The Lamden Tau token connects these new projects together to create the first ever blockchain enterprise solution. The Tau token has a more general use as a universal swap token between most existing cryptocurrencies, such as Bitcoin, Ethereum, and others, allowing seamless exchange between endless cryptocurrency pairs.





## CHALLENGE

Clove, which we are working on, is a decentralized application that makes atomic swaps between blockchains easy. To date, there was only one documented transaction of swapping cryptocurrencies of two different blockchains, and by “documented” we mean a swap the world knows of. Our challenge is to find a way to enable direct swapping between nodes of different networks, without the need to download petabytes of blockchains.

## STX NEXT DELIVERED

- › 1 young and dynamic Scrum team
- › A library which supports and enables atomic swaps
- › An API for the aforementioned library on which the web interface is developed
- › Expanding knowledge of how cryptocurrencies work on the lowest possible level
- › Contribution to Bitcoin open source projects
- › Product Design support through UX/UI Design and discovery workshops
- › Manual testing services

## FEATURES

- › Well-documented and easy to use library for swapping cryptocurrencies between two different blockchains
- › The library is easily implemented regardless of online platform type
- › Complete UI for Clove
- › Browser plugin for safe signing of transactions

## TECHNOLOGIES

- › Back-end technologies: python 3.6, travis-ci, APIstar
- › Front-end technologies: Vue.js
- › Database: blockchain
- › Deployment: n/a
- › Issue tracking system: Jira, GitHub
- › Version control system: Git
- › Chat/communication: Slack
- › Cryptocurrency libraries: python bitcoin lib, web3py, ethereum



*A visionary solution, development by discovery, and a product that no one has done before. Sounds interesting? This is only the tip of blockchain iceberg. Together with Lamden CEO Stuart Farmer and with the engagement of the Blockbusters team, we are changing the world of cryptocurrency markets.*

— Krzysztof Jabłoński, Scrum Master @ STX Next

# Newable

Newable Business Loans Ltd

## ABOUT

Newable Business Finance (NBF) is a joint venture between Newable and Liberis. The company offers affordable loans of between £26,000 – £150,000 in order to support growing businesses across the UK. Businesses can apply directly but Newable Business Finance also partners with finance brokers, advisors, High Street banks, solicitors and accountants. Its processes are fast and fair, which means you always know where you stand and the vital funds get to the businesses when they need it.



# Newable

Newable Business Loans Ltd

## CHALLENGE

The team's work on this project actually started during a hackathon to create the basics and then continued through regular Scrum sprints. STX Next created a platform in which both clients and introducers can apply for two kinds of business loans. It was created ahead of schedule as an optimized MVP, allowing the first customers to use the service after just 2 months of development. Next came the challenge of automating as many processes as possible so that all the payments and payouts could be done automatically. During the development, the team needed to scale up to be able to build additional loan products for NBF's customers.



*The team is very product oriented - they try to understand the product and its end users. This means that there are more sets of eyes looking after potential User Experience issues, which results in a better product*

— Ron Shteinberg, Head of Technology and Operations @ Newable

## STX NEXT DELIVERED

- › The entire platform in which users can apply for business loans (with paths both for individual customers and introducers/brokers)
- › Automatic payments and payouts
- › Integration with external tools and services
- › Mentoring service (in progress)
- › Credit checks (in progress)

## FEATURES

- › Registration form (both for individual customers and introducers/brokers)
- › Application form (for unsecured and secured P2P loans)
- › 'My-Account' page on which the user can manage all of their loan applications
- › GoCardless integration (for payments and payouts)
- › Slack integration (information about loans and Customer Service support via Slack)

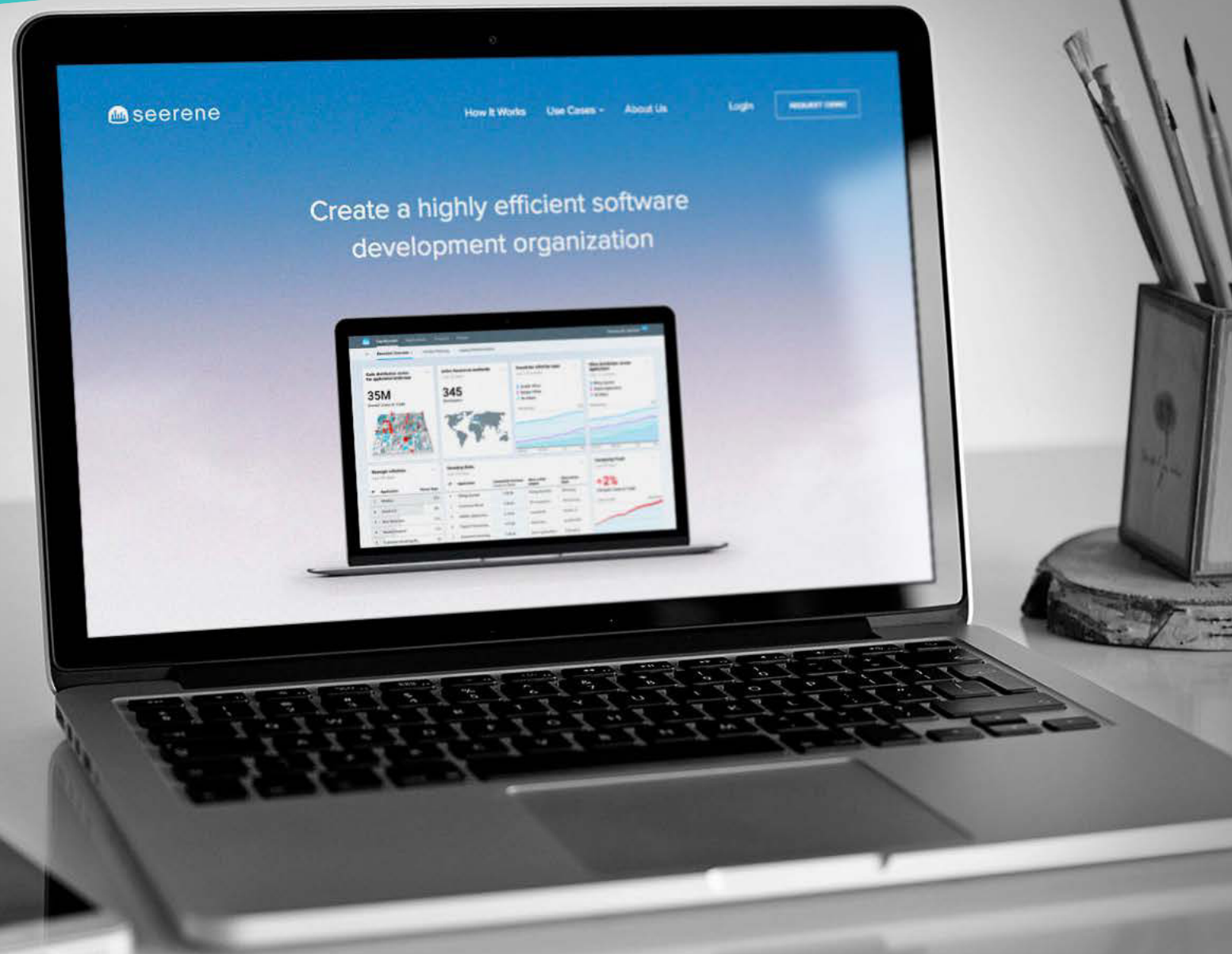
## TECHNOLOGIES

- › Back-end: Python 3.6, Flask, SQLAlchemy
- › Front-end: Angular 1.5, ES6, Webpack
- › Database: PostgreSQL 9.5
- › Deployment: Docker, Codeship, AWS
- › Issue tracking system: Pivotal Tracker
- › Version control system: Github
- › Chat/communication: Slack, Hangout, Appear.in, Skype
- › Other: AWS (Elastic Beanstalk, S3, CloudWatch, RDS, SES, Lambda Functions), Zendesk, GoCardless, Mambu, Workmail, MailClark, Mailchimp, Mandrill



*The most challenging part of the project was building the platform from scratch over a 2-month period and with a very small team. Even with this tight deadline, the service has had customers from day one and exists without any major issues. The second challenge was building the system without an admin's dashboard. Instead, administrators can obtain the most important details from the database via Slack as needed, and use Slack as part of a Customer Support tool.*

— Agata Kqpa, Product Owner @ STX Next



## ABOUT

Seerene provides revolutionary insights and analytics into mission-critical software to help enterprises, IT services companies and regulators gain actionable insights into code, applications and teams.



## CHALLENGE

The biggest challenge for the multiple product teams in this project has been finding the right way to implement deep analytics algorithms that transform low-level code-related metrics into KPIs and insights for C-Level users, Seerene's primary target group. The team is constantly developing new features and machine learning capabilities into the product to make the raw data more consumable and full of value for decision makers of large corporates. Seerene's customers are international banks, insurances, automotive companies, large-scale software companies, and others. Additionally, in a project with such a large amount of big data to mine the developers are constantly working to improve the overall platform performance. The final objective is to evolve the product such that every CxOs has, for the first time, an objective, analytics-based means to drive and steer the transformation of their organizations into software-first companies, a necessity for all companies to be able to survive in the age of digitalization.

## STX NEXT DELIVERED

- › Possibility to visualize the amount of work done over a certain period of time
- › Ability to filter the work done by the employees based on different criteria, fully integrated with JIRA
- › Possibility of mining the customer's code for specific metrics that are defined based on user patterns
- › High-quality, fully automated, testing environment supporting multiple browsers and devices which saves time and money for everyone

## FEATURES

- › The possibility to track and analyse KPIs
- › The platform supports various languages: C++, C#, JAVA, JS, Python, Cobol, Delphi and many more
- › Outcome from sophisticated analysis are presented on map where it is easily to see hotspots in specific applications or projects
- › Support for custom extensions like JIRA ticket management

## TECHNOLOGIES

- › Back-end: Django, Celery, Rabbit MQ
- › Front-end: AngularJS 1.5
- › CI tools: Jenkins
- › Database: PostgreSQL, Redis
- › Deployment: based on Docker containers (testing instances), Saltstack
- › Issue tracking system: JIRA Software
- › Version control system: Github
- › Chat/communication: Slack, WebEx
- › Other: Cucumber, Selenium, WebDriver JS, TestRail, BrowserStack, Protractor



Seerene is a complex platform, which allows its users to easily track the condition of their applications through implementing various types of KPIs and metrics. Improving SQL queries as well as profiling the application is done on a regular basis providing us with an opportunity to acquire new knowledge and push Python, Django and Angular to the limits.

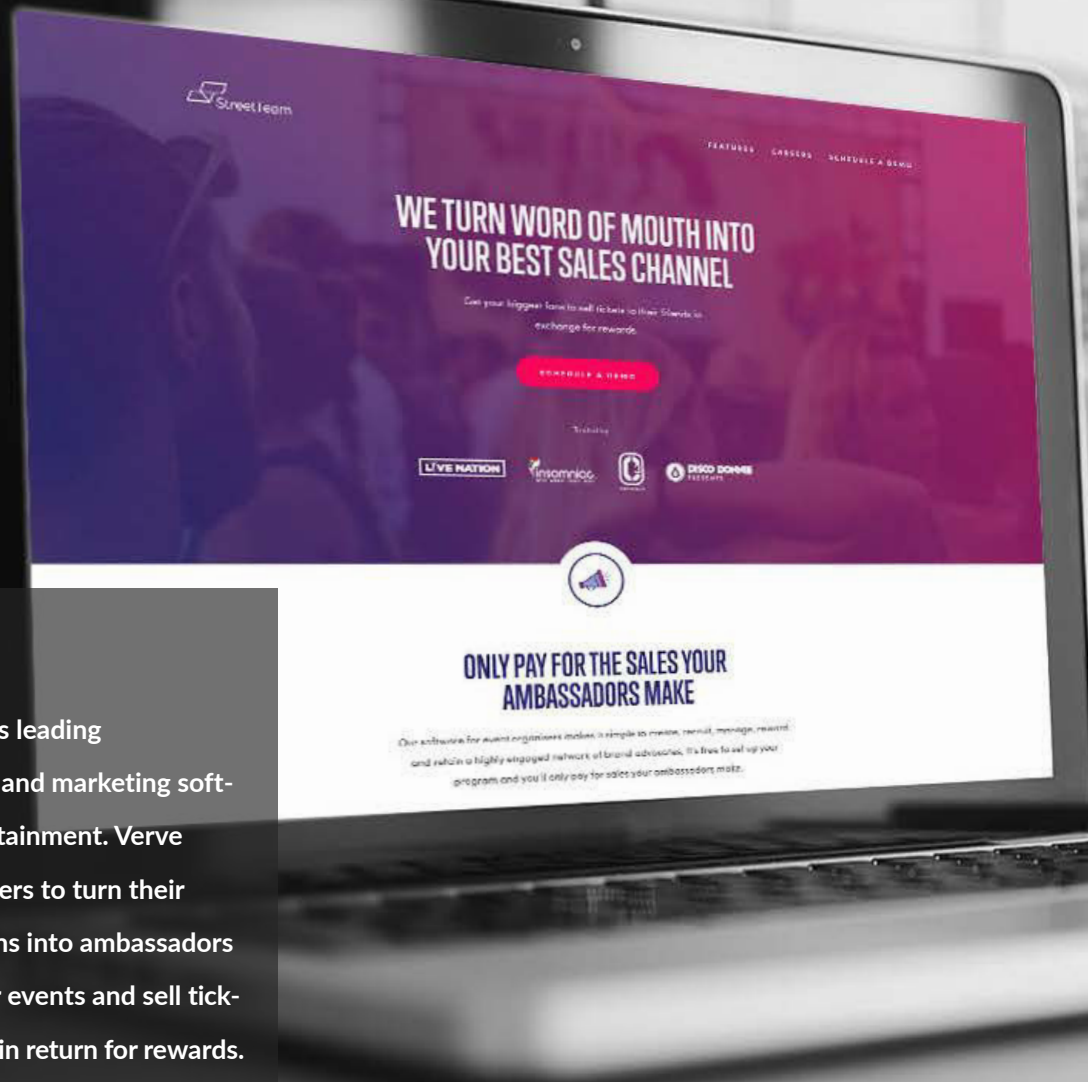
— Jakub Kałużka, Senior Python Developer @ STX Next

# Verve

Formerly known as Street Team

## ABOUT

Verve is the world's leading peer-to-peer sales and marketing software for live entertainment. Verve enables its customers to turn their most influential fans into ambassadors who promote their events and sell tickets to their friends in return for rewards.



## CHALLENGE

The STX Next team is working alongside high performing Verve teams as peers. Together, the teams are delivering an MVP that will function as the springboard and platform for the future of the company. The application is based on micro-services architecture. Aside from application services, the development team has to integrate with a lot of 3rd party systems (e.g. systems that sell concert tickets etc.).

## STX NEXT DELIVERED

- › A global platform that enables advocates to experience the products that they love with their friends
- › A unique SaaS application for brands, campaign managers and ambassadors
- › A system that builds a strong relationship between events and their fans
- › Advocacy driven model that can work in almost any vertical that has a shared experience at its core

## FEATURES

- › Easy and customizable UI for brands and their campaigns
- › Exclusive ticket selling system for ambassadors
- › Innovative rewards system for product ambassadors
- › Feed system for brands to easily communicate with their ambassadors

## TECHNOLOGIES

- › Back-end: Django, Django REST Framework, Graphene, RabbitMQ
- › Front-end: React, Isomorphic React, Relay, SCSS, Helmet JS, Karma, End to End tests using headless browser
- › Database: Postgres
- › Deployment: Docker, Heroku, Kubernetes, Feature Switches
- › CI tools: CircleCI
- › Issue tracking system: Jira
- › Version control system: Git + Github



*The most challenging part of this project was integrating multiple microservices with a front-end application without any unnecessary data fetching. We've accomplished this by using a Gateway API pattern and with the help of the latest technology such as GraphQL and Relay.*

— Kornel Maleszka, Python developer @ STX Next



*STX Next have been working really well with my engineering team. They're demonstrating great skill, craft, and agile thinking in the way they go about their work, and they're great people to boot.*

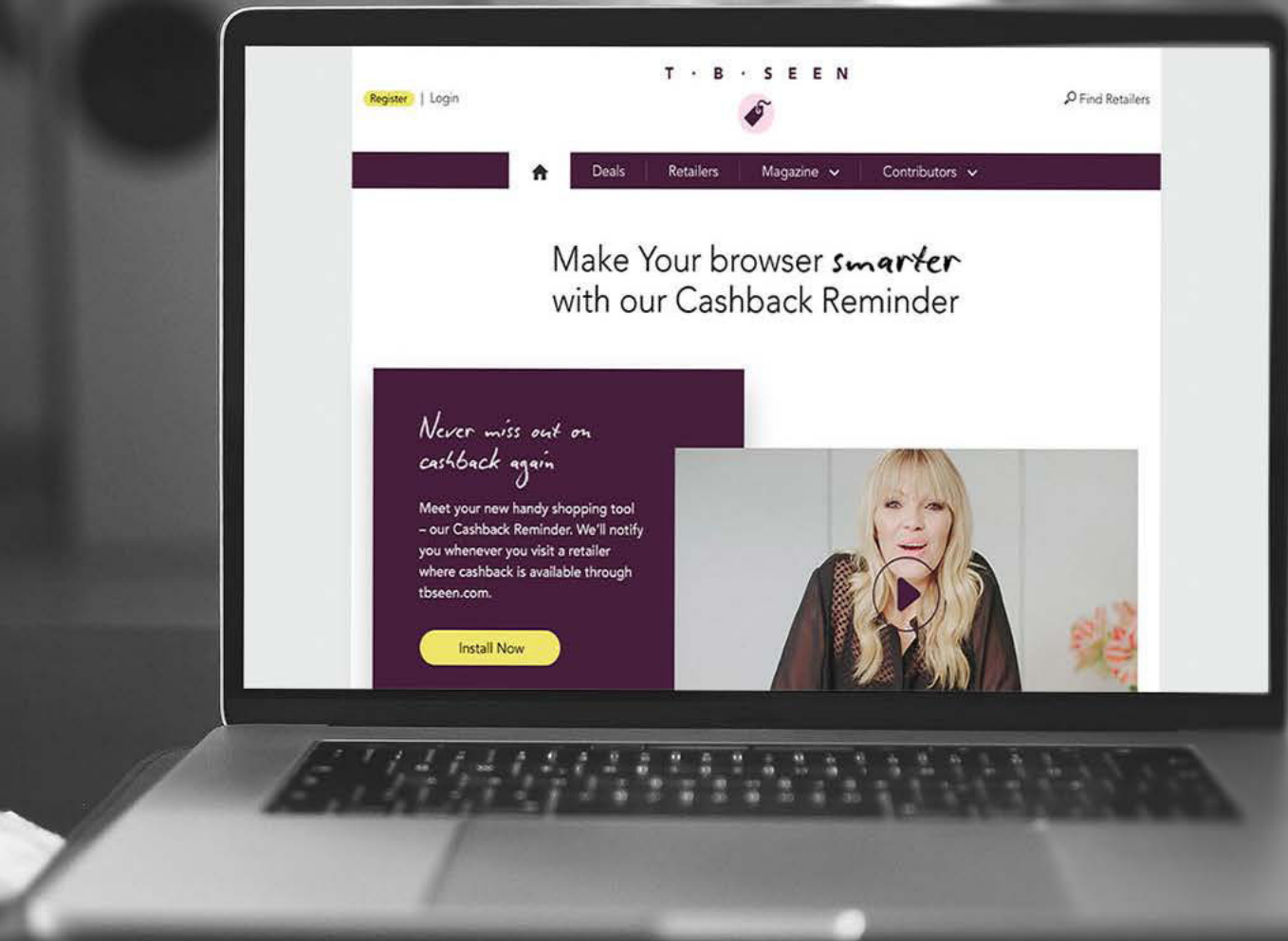
— Bradley Wright, CTO @ Verve

# TBSeen

TBSeen

## ABOUT

Featuring some of the UK's favourite fashion and lifestyle retailers, TBSeen.com offers the smart shopper unique discounts on everything from style and beauty, groceries and home, health and travel, all the way through to utility bills.



## CHALLENGE

TBSeen wanted to increase traffic to their site as well as onboard additional branded content partners. This has allowed TBSeen to expand on their value proposition by offering exclusive competitions as well as unique cash-back and voucher deals.

## STX NEXT DELIVERED

- › “Working with the client” rather than “working for the client” collaboration style
- › Client’s most successful branded content landing page campaign
- › Features supporting one of the crucial business metrics
- › Sustainable pace of weekly features delivery to the production environment
- › Completely new User Experience design

## FEATURES

- › Manageable branded content landing pages
- › Ability to create and manage competition forms
- › New deal types (e.g. handling voucher codes)
- › Integration with new affiliates
- › Completely new Retailers space with easy searching & filtering
- › Completely new galleries & new promotional article types
- › Many admin tools improvements for content editors

## TECHNOLOGIES

- › Back-end: Python 2.7.x, Django, Flask, NodeJS, Sails, Celery, Redis, RabbitMQ
- › Front-end: AngularJS, LESS, Bootstrap
- › CI tools: CircleCI
- › Database: PostgreSQL
- › Integration with 3rd parties: Golang
- › Deployment: Docker, AWS, Salt
- › Issue tracking: Jira
- › Knowledge base: Confluence
- › Version control system: Git + Github
- › Monitoring: Sentry



*We were looking to move our Python & Django development out of London, to save money but also to find a good quality Agile team approach that included some product ownership. STX Next was able to provide the high quality dev team alongside project management. This fact combined with the costs savings from moving away from London made it a simple decision.*

— Neal Hendey, Managing Director @ TBSeen



*The most challenging part of the project was the wide variety of used technologies and highly distributed architecture designed to give our client the best possible scalability to prepare the site for heavy traffic. Responding to client’s needs was very challenging and satisfying from the developer’s perspective.*

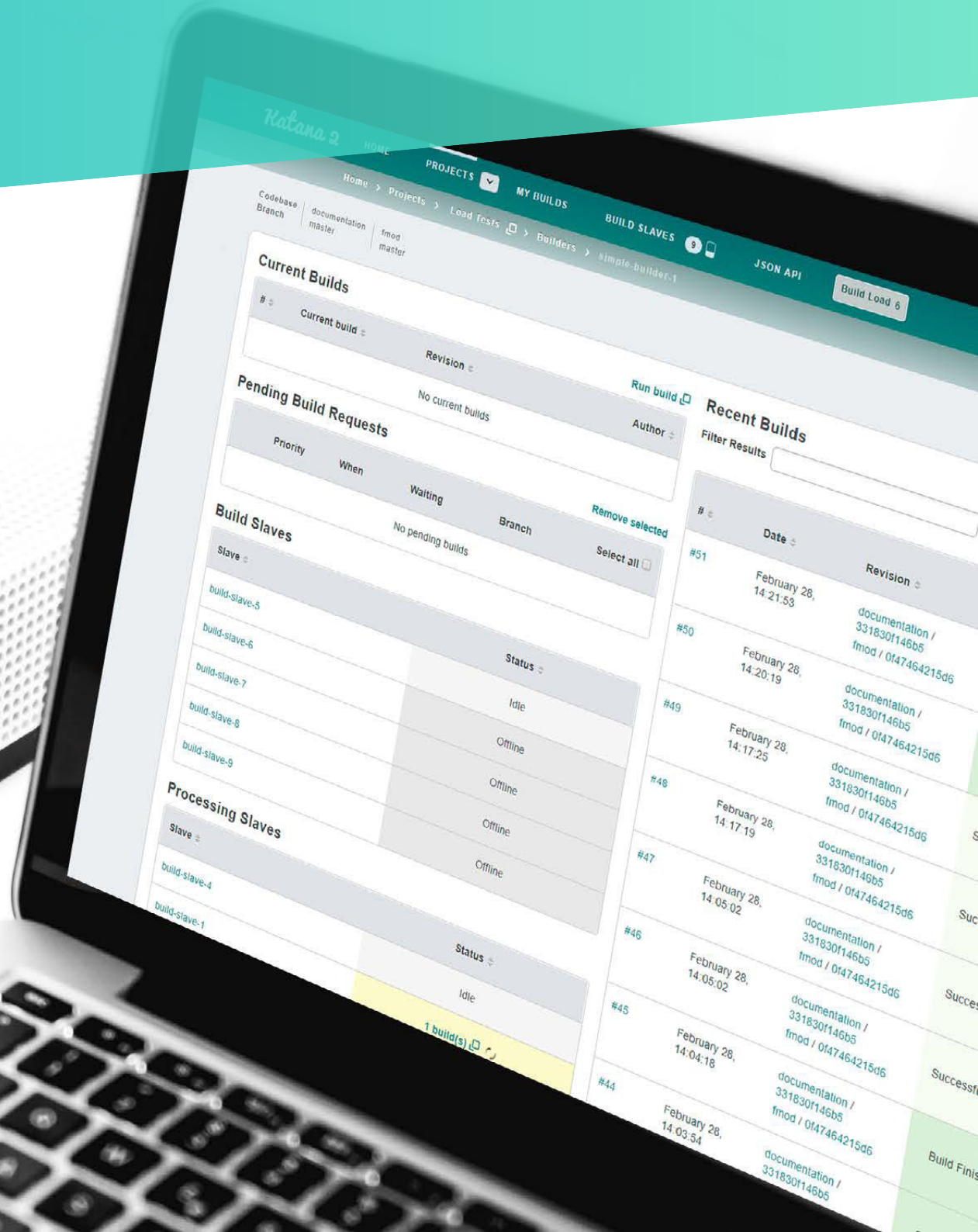
— Przemysław Gosek, JS developer @ STX Next



# Unity Technologies

## ABOUT

Unity Technologies is the creator of a flexible and high-performance end-to-end development platform used to create rich interactive 2D, 3D, VR and AR experiences. Unity's powerful graphics engine and full-featured editor serve as the foundation to develop beautiful games or apps and easily bring them to multiple platforms: mobile devices, home entertainment systems, personal computers, and embedded systems.



# Unity Technologies

## CHALLENGE

Unity Technologies asked STX Next for assistance in maintaining and steadily improving Katana - a Continuous Integration tool based on BuildBot. Katana was created to meet the demand of more than 10,000 builds per day. With its scale, Katana is crucial for Unity's daily operations, as any downtime would affect hundreds of Unity's developers.

## STX NEXT DELIVERED

- › The minimal docker images to speed up development,
- › Endpoints which allow builds and builders management,
- › New management method in Katana by creating new pages,
- › Resolved memory leaks in Katana,
- › Improved unit test coverage,
- › Created new releases of Katana.

## FEATURES

- › Auto-refresh dependency statuses,
- › Links to the parent build and top build in chain,
- › Added information text to build (more information than success/failed),
- › Added extra information about steps status,
- › Improved filtering builds by tag system,
- › Set limits on number of times scheduler retries a failed build.

## TECHNOLOGIES

- › Back-end technologies: Python 2.7, Twisted, SQLAlchemy, Grunt
- › Front-end technologies: Jinja2, Handlebars, JQuery, SCSS, Bootstrap3, Karma, Jasmine
- › Database: Mysql, MariaDB
- › Deployment: Docker
- › Issue tracking system: Jira
- › Version control system: Github
- › Chat/communication: Slack, Vidyocloud
- › Other: LogZ



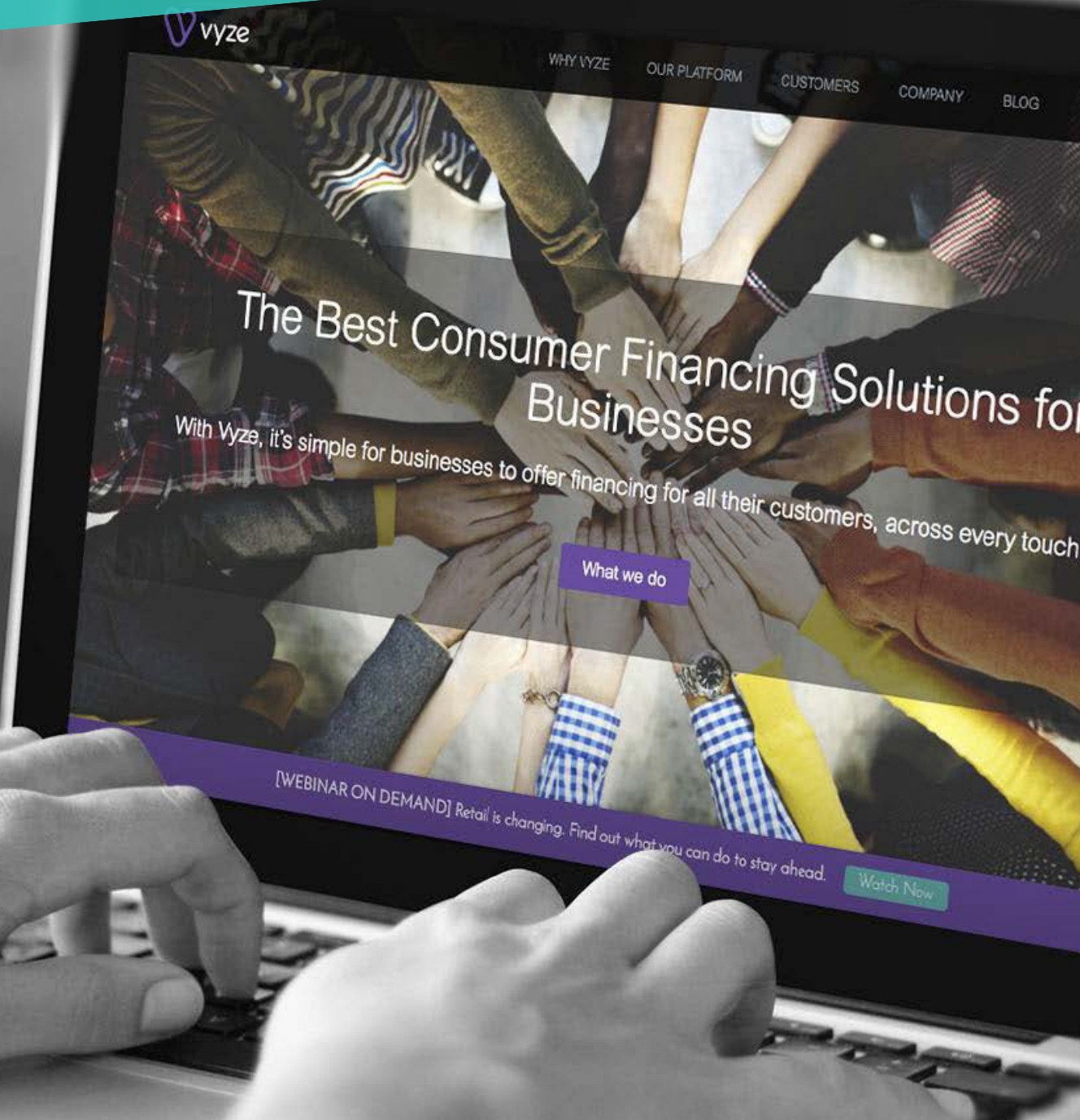
Even though Katana emerged as a fork from the open source Buildbot app, it is nothing like its parent any more. Now there are over 10,000 tasks performed on the Katana production servers every day. Engineers from Unity Technologies develop their game engine using Katana, so every new release of it must be accurately written and perfectly tested. The biggest technical challenge we face now is providing new chunks of code without making the multi-process structure of Katana unstable. Personally I find working with Katana very fulfilling as it allows me to engage my personal interests in the gaming environment.

— Kamil Mówiński, Full Stack Developer @ STX Next



## ABOUT

Vyze is a leading financial technology company for retailers & manufacturers. By combining a comprehensive lending supply, technology, and support under one roof, Vyze is able to deliver businesses simpler, more satisfying financing experiences for their customers, wherever and whenever they shop.



## CHALLENGE

The challenge here is really multifaceted. First, simultaneous dedication to two platforms alone is quite demanding. Second, certain solutions implemented in these products cannot be found in other financing platforms, therefore the developers had to design the solutions from scratch. Finally, as the project progresses the team is not only developing a cutting-edge application, but also working together with Vyze to implement the best Scrum practices.

## STX NEXT DELIVERED

- › On-site financing platform for retailers
- › Fulfilling eCommerce financing experience
- › Advanced and robust API
- › Full automatic test coverage with Behave and Selenium

## FEATURES

- › Secure online credit applications and payments
- › Quick credit assessment
- › Intuitive front-end design

## TECHNOLOGIES

- › Back-end: Django
- › Front-end: AngularJS
- › Database: SQL and noSQL back-ends
- › Deployment: own deployment infrastructure with Push Button Deployment
- › CI tools: Jenkins
- › Issue tracking system: Jira
- › Version control system: Git
- › Other: Docker, RAML



“Being a client of dozens of lender APIs and at the same time delivering multiple solutions for different user groups is a challenging task. We need to be very flexible - Scrum helps a lot here. This is a demanding project which in return for our hard work gives plenty of knowledge and satisfaction.

— Paweł Kucmus, Python developer @ STX Next

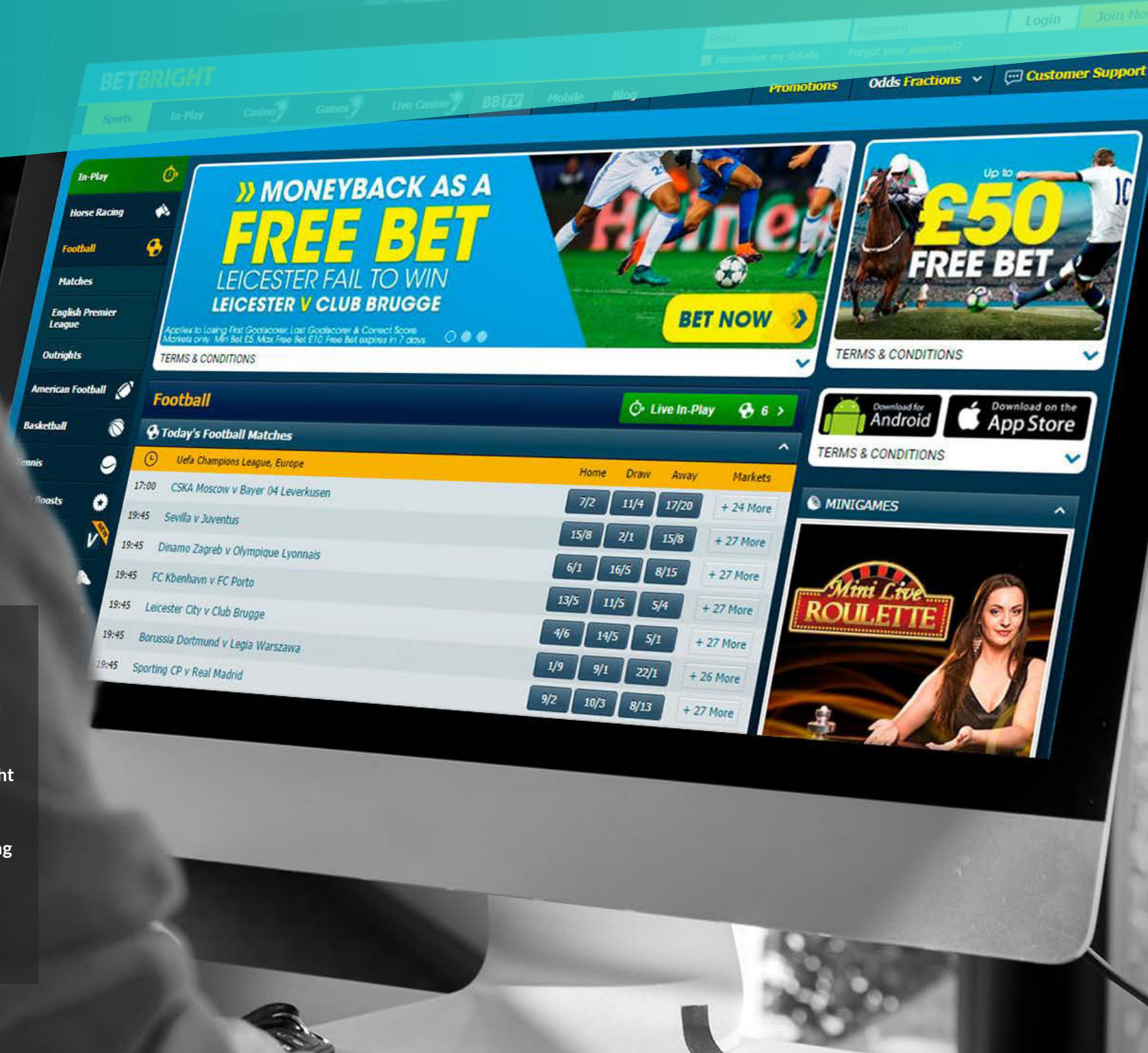


# BetBright

Dedsert

## ABOUT

Based in Dublin and founded in 2012, BetBright is an online UK sports betting and gaming operator. BetBright takes an innovative and disruptive technology-based approach to winning on product, which delivers the very best user experience possible.





## CHALLENGE

In order to quickly build out its product, BetBright needed to increase the number of deployed Scrum teams. They needed experienced developers who could immediately make an impact. Products developed by STX Next have been given the EGR Operator and the SBC “Best Football Betting Product” awards.

## STX NEXT DELIVERED

- › Three full Scrum Teams (Devs, QAs & Product Owner)
- › Additional Agile Management (Scrum Masters)
- › Best practices and a proven method
- › A transformative change to BetBright and a product they can now push aggressively

## FEATURES

- › Casino “Quick Deposit” allows users to continue to deposit money during the game without interruption
- › Mobile page redesign including Blog & Widgetisation allows BetBright customers to stay updated with current events
- › “Recall” adds personalised bet recommendations based on the customers’ bet history. (15+% conversion)
- › “Automated Bonus” feature potentially adds 10% to every new customers LTV
- › Live Casino for Mobile enables users to place bets using mobile devices

## TECHNOLOGIES

- › Back-end: Twisted, Codelgniter
- › Front-end: Vanilla JS + jQuery, AngularJS, ReactJS
- › Database: MySQL
- › Issue tracking system: Jira
- › Version control system: Git + Bitbucket

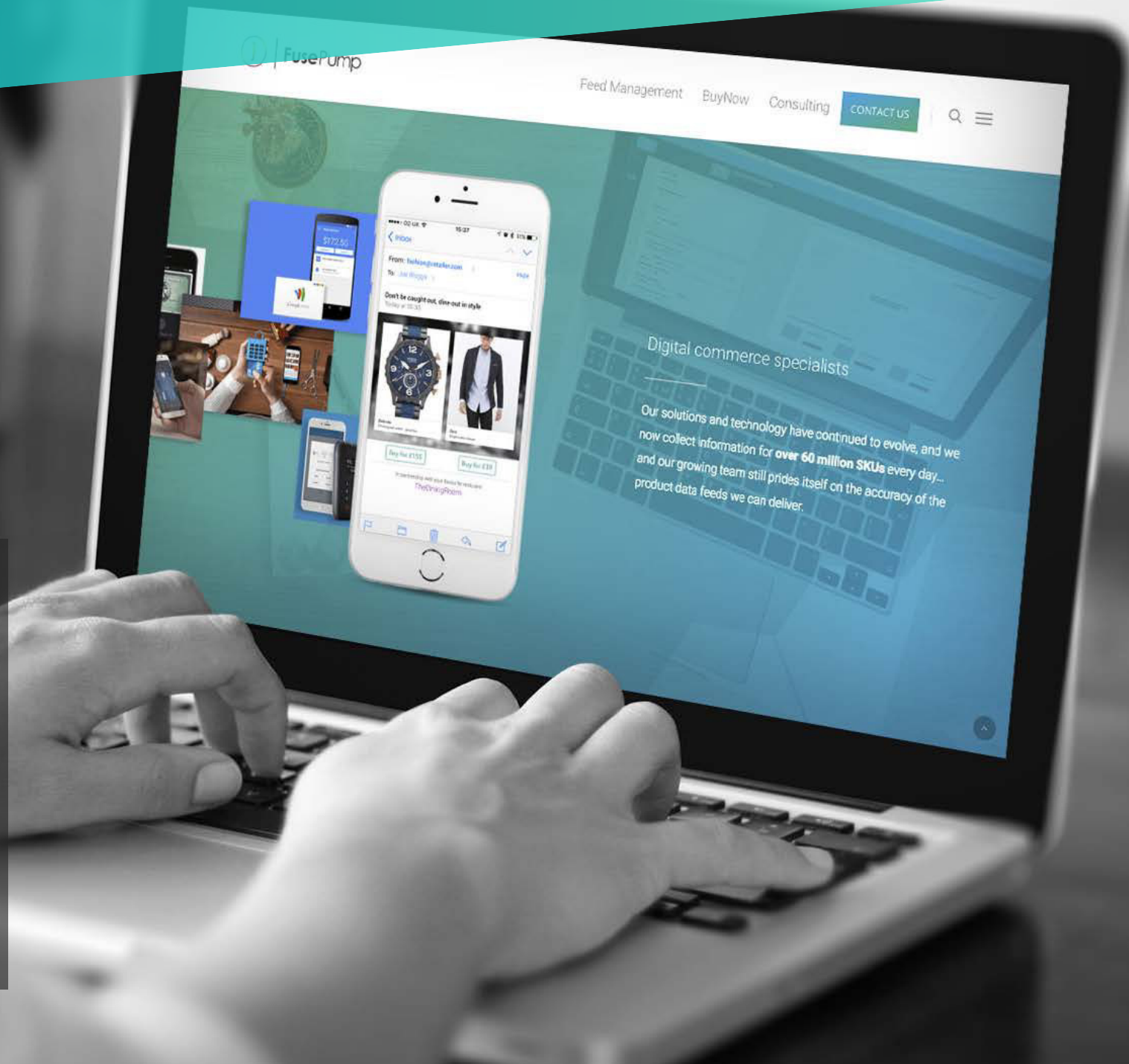


“They have a genuine interest in their client’s business environment. Their Scrum teams were more like an extension of our own team than an external entity. They don’t force a template on their client, focusing instead on delivering software in a way that compliments the client’s own process. Our work together resulted in award-winning products that we would not have otherwise had the capability to deliver.

— Owen Thornton, Software Development Manager @ BetBright

## ABOUT

FusePump is a strategic partner for brands, helping them understand and apply technology to succeed in digital commerce. With data gathered from retailers every hour, FusePump's BuyNow solution gives customers live product prices and a simple purchase journey – driving sales for brands.





## CHALLENGE

The team is creating tailor-made functionalities for an advanced platform used to build and share customized eCommerce modules. Retailers can use the platform to create elements such as their own personalized advertisements and “lightboxes” (embeddable components for browsing, filtering and buying products). The team at STX Next is keeping the application compatible with tracking systems, which means the user can acquire a lot of information about platform usage, which may in turn allow retailers to create more suitable offers and increase profits.

## STX NEXT DELIVERED

- › One permanent and one temporary Scrum Team available exclusively to the client
- › A set of features and tools extending the basic functionalities of the platform (e.g. providing a data validation tool and a data mapping tool)
- › Analysis and ideas for improvements to the development process - delivered as a workshop in the spirit of Lean process management

## FEATURES

- › A “Where to Buy” solution built with lightboxes and which provides the end user with the possibility to find local retailers of particular products. This is done using data provided by Google Places API or data imported manually into the system
- › A set of tools that allows for monitoring and analysis of historical pricing of different products
- › A set of tools that allows users to easily import, validate and map large amounts of data

## TECHNOLOGIES

- › Back-end: Python 3, Django Rest Framework, TastyPie
- › Front-end: AngularJS 2, ECMAScript 6
- › Database: MySQL
- › Deployment: Gulp
- › CI tools: Jenkins
- › Issue tracking system: JIRA, Testrail
- › Version control system: Git + Github



*The project team demonstrated efficiency by streamlining processes and supplying frequent performance metrics. Resources always communicated effectively, and the deliverables were almost completely bug-free.*

— Leigh Simpson, CTO @ FusePump

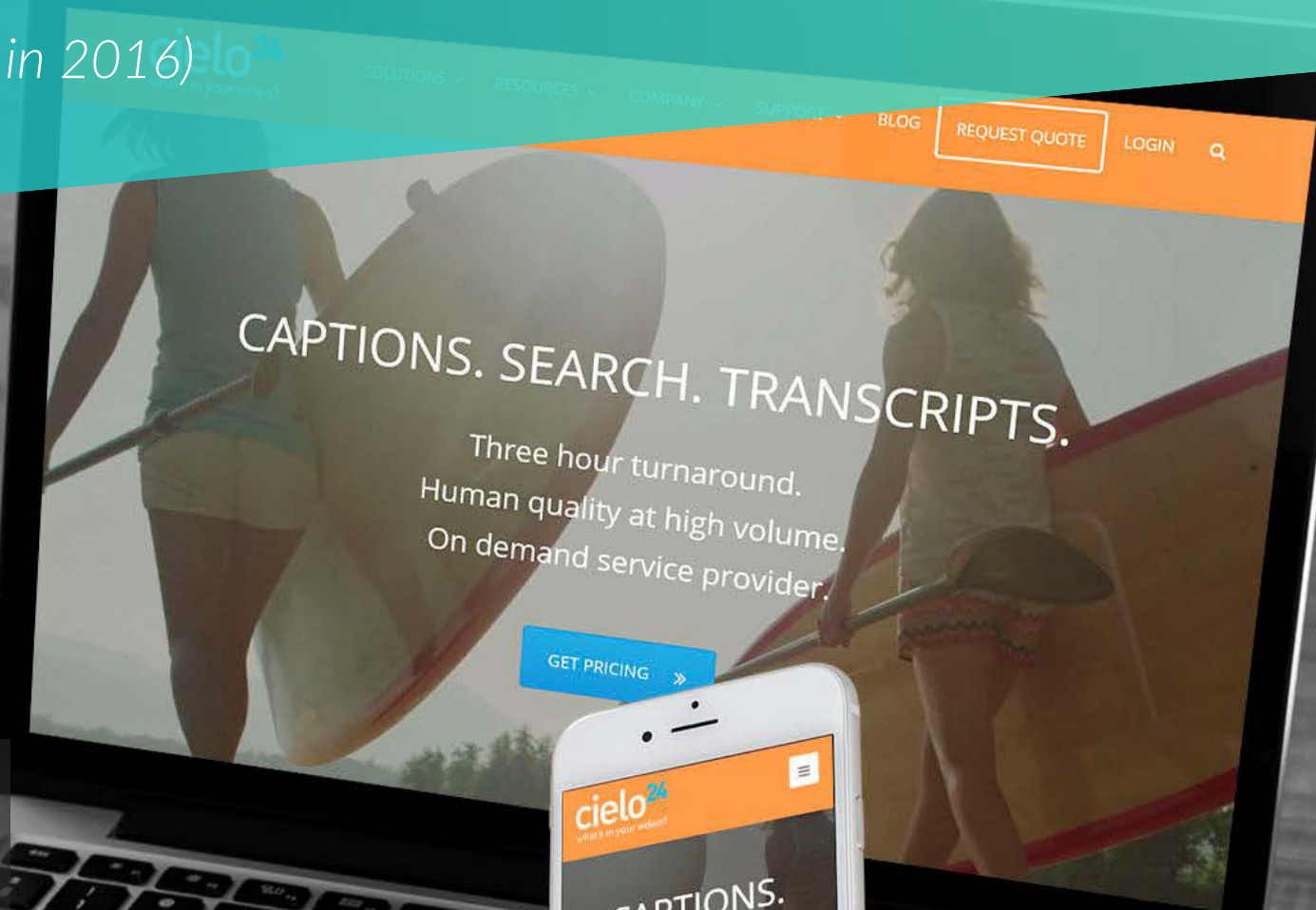


*The greatest challenge while working for FusePump has always been an incredibly dynamic business environment. Every month, the product could go in a different direction based on user feedback or new opportunities gained through work with a new client. A perfect challenge for a Scrum team! Staying agile, inspecting issues and adapting to changes are a must in our daily work. Many techniques taken from the agile toolbox allow us to harness this complexity and produce a release-ready product each sprint.*

— Konrad Przybycień, Scrum Master @ STX Next

# Cielo24 *(completed in 2016)*

cielo24, Inc.



## ABOUT

Cielo24 delivers searchable captions, media data and media intelligence for large media platform partners in the online education, enterprise, news and entertainment markets. Their clients turn to cielo24 to meet the growing demands on their multimedia including, compliance laws, discoverability, reach and user engagement.





# Cielo24 (completed in 2016)

cielo24, Inc.

## CHALLENGE

Due to limited internal bandwidth, the client sought a qualified technology partner to support their inhouse development team on a series of complex projects STX Next was selected as the client's solution partner based on the software house's demonstrated technical capabilities and previous experience.

## STX NEXT DELIVERED

- › User requirements validation
- › Project scoping
- › Data preparation and migration
- › Custom functional development
- › User Interface/User Experience
- › Performance testing, maintenance and support

## FEATURES

- › Integration with Google API
- › Enhancements to the Video Transcription Tool
- › Improvements to the API
- › Additional reports that help manage the application transcription process

## TECHNOLOGIES

- › Back-end: Django, Celery
- › Front-end: jQuery, Backbone.js
- › Database: PostgreSQL
- › CI tools: CircleCI
- › Log management: papertrail
- › Version control system: Git
- › Chat/communication: Hipchat
- › Other: Amazon Mechanical Turk



*Despite the time difference between California and Poland, communication was extremely professional. I am confident that our help has improved the quality and stability of their product.*

— Patryk Gruszka, Head of Service Delivery @ STX Next

## ABOUT

Connecting the world to tickets. Based out of Dublin, Coras allows customers to purchase tickets for any event or activity, through whatever online channel they choose.

Suppliers Distributors

### Connecting the world to tickets.

Coras is changing the way tickets are sold online. Our platform lets customers buy tickets for any event or activity, through websites they already use. [Learn more.](#)



## CHALLENGE

STX Next's development team joined the development process when a prototype had already been built. The developers main task was to build a good quality product which could satisfy the high expectations of business to business clients. The team prepared the user experience design together with Coras and started to improve the system with each subsequent increment.

## STX NEXT DELIVERED

- › A unique application design that balanced user experience with a large amount of information that needs to be processed
- › Web version created for operational users
- › iOS app dedicated to helping management gain a comprehensive overview of the overall ticket sales
- › Completely new User Experience design

## FEATURES

- › Manage the mark-back of tickets from one seller to the other for both general admission and seated events
- › Track ticket sales across all allocated sellers with a complete audit trail from allocation to sale
- › Create events and allocate tickets to ticketing agents or through user's ticketing system
- › API that allows any ticketing system to integrate with Coras, helping to adjust the process to meet specific needs

## TECHNOLOGIES

- › Back-end: Django, Python 3
- › Front-end: AngularJS, HTML5
- › Database: MySQL
- › CI tools: CircleCI
- › Issue tracking system: Jira
- › Version control system: Git + Github
- › Automated tests: Selenium, Behave
- › Other: Elastic Search, Amazon AWS, Docker



*What I value the most in cooperating with Coras is the feeling of a real partnership. I know that they trust us and treat us as a technological partner not just an outsourcing company. We have a lot of freedom to use the most suitable technologies and design. This makes the whole team feel responsible for the overall product.*

— Agnieszka Kłobus, Product Owner @ STX Next



*It was always a team that showed initiative, not just receiving instructions to deliver features but also asking why and what we were building so that it quickly became much more collaborative.*

— Mark McLaughlin, CEO @ Coras



# Credit Rubric

Credit Rubric

The screenshot shows the 'Company Search' page of the Credit Rubric application. At the top, there are three tabs: 'Discover' (selected), 'Compare', and 'Chart'. Below the tabs is a navigation bar with 'Companies' (selected) and 'Bonds'. The main search area includes a text input field for 'Search by company name, regions, sectors'. Below this are two rows of filters. The first row has 'Sector' with a dropdown menu showing 'Financial Services' and 'SUB SECTOR' with a dropdown menu showing 'Debt Purchaser'. The second row has 'Region' with a dropdown menu showing 'North America' and 'SUB REGION' with a dropdown menu showing 'United States'. At the bottom of the search area is a 'Company HQ' section with a dropdown menu showing 'Pick one or more countries...'. A blue 'Search' button is located at the bottom right of the search area. A disclaimer is visible at the bottom of the screen: 'Disclaimer: Credit Rubric is a data analytics platform. It does not provide financial advice. All data is sourced from a variety of data vendors. Data vendors include Quandl, and Boerse Stuttgart GmbH.'

## ABOUT

Credit Rubric (part of the Acuris group) is a UK-based data analytics platform for European debt securities. They provide independent quantitative analysis combining financial performance, credit metrics and market pricing. The Credit Rubric app helps traders make better decisions by collecting and displaying data regarding High Yield Bonds and performing complex calculations.



# Credit Rubric

## Credit Rubric



Discover

Discover

### CHALLENGE

Prepare an MVP of a system that will allow users to query for high yield bonds and display their details including financial performance statistics and yield calculations. The solution involves a number of Node.js REST services that communicate with each other over HTTP as well as a NoSQL database for storing information. Additionally, ElasticSearch was implemented for indexing and efficiently searching for data. This was all made possible by working with a distributed team of developers.

### STX NEXT DELIVERED

- › Full-Stack Development across all sub-services of the project.
- › Automated acceptance testing
- › Proxy Product Owner assigned to the project

### FEATURES

- › Admin system for inputting and reviewing bond data.
- › SPA frontend allowing subscriber users to view bond data.
- › Fast and robust querying for companies and bonds.
- › Asynchronous worker service for scheduled tasks.

### TECHNOLOGIES

- › Backend technologies: Node.js, Express, Python3.6, Flask
- › Frontend technologies: Angular, React
- › Database: MongoDB, ElasticSearch
- › Issue tracking system: JIRA
- › Version control system: GitHub
- › Chat/communication: Slack
- › CI tools: Jenkins
- › Deployment: Terraform, Docker, AWS
- › Other: Selenium automated acceptance tests, SQS, CloudWatch



Together with the PO on the client side we managed to build an efficient near-shore development team that strived towards an ambitious goal to deliver an MVP of the product with a non-trivial architected system, filling a business gap in the market. Cooperation with two different software houses working on the same project can be challenging and bumpy, yet in the spirit of “Inspect & Adapt” we were able to overcome all difficulties. On the process level I had a feeling that our suggestions have been heard and improvement actions were applied.

—Wojciech Semik, Software Delivery Manager @ STX Next

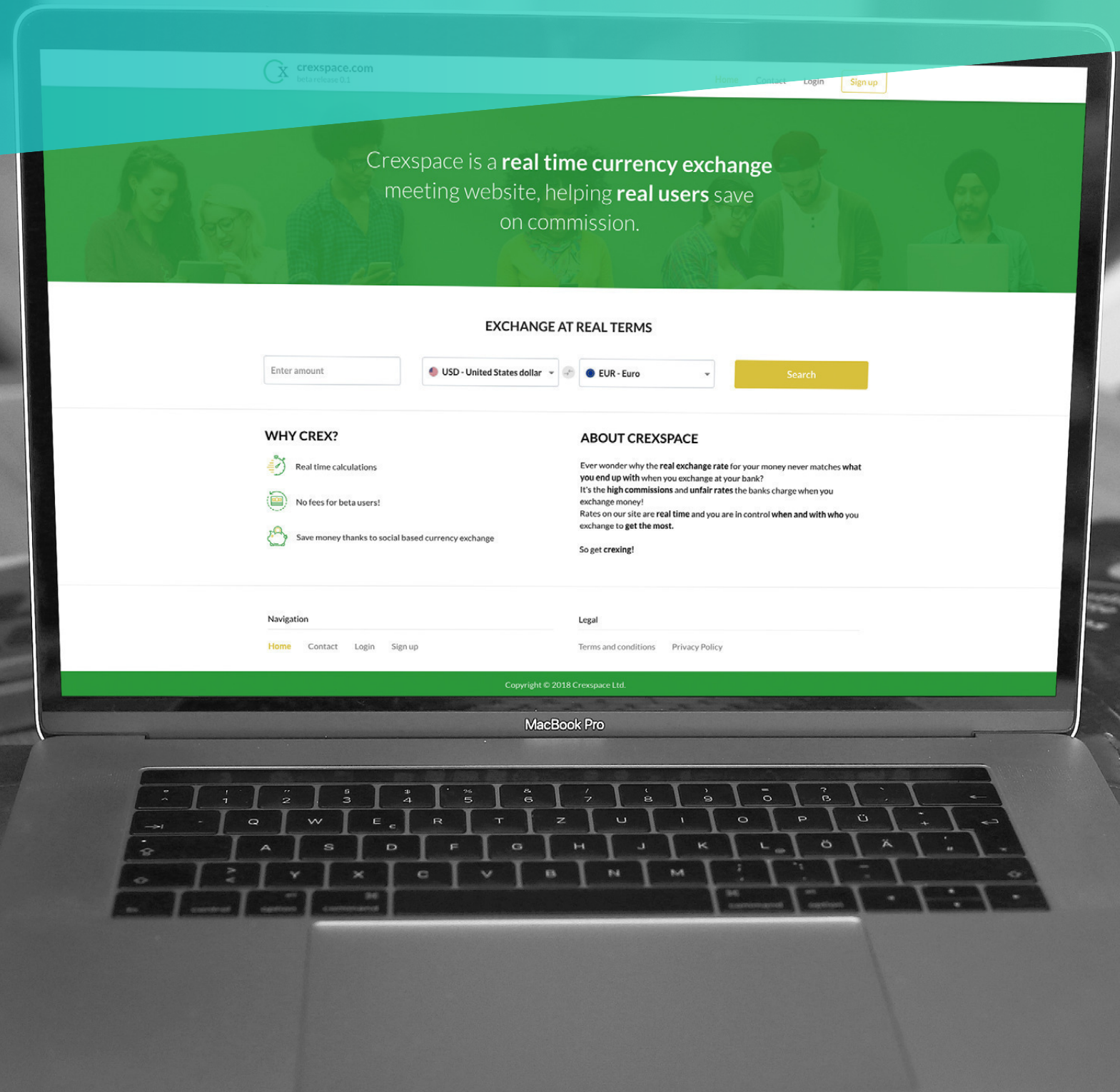


STX have been responsive and client focused and proved adaptable and cooperative in the period when we paired two development houses with different processes. The STX team is first and foremost, solution orientated with efficient, well honed development processes that manage to balance delivery and simplicity, with sustainable code and thorough testing.

— Jonathan Hosgood, Director @ Credit Rubric

## ABOUT

Crexspace is a totally fresh startup idea straight from Austria. The concept behind the product is simple but powerful: allow users to exchange money between other community members without the need of paying bank fees and spread costs. It works as a simple webpage with a plan to expand to other platforms in the future.



## CHALLENGE

Crexspace's idea is simple and powerful, but the market of Fintech companies focusing on currency exchanging is quite saturated. Our goal was to check if the idea had a chance to penetrate the market and if Crexspace could then proceed to "learn by doing". Our main challenge was the very short timeframe and the ability to refresh currency rates in real time. Ultimately, we built a simple Minimum Viable Product (MVP) and delivered a useful and usable solution in 4 weeks.

## STX NEXT DELIVERED

- › 1 Scrum team
- › Discovery workshops
- › Product Design
- › Full-stack development
- › Manual testing
- › Automated testing

## FEATURES

- › User onboarding on the platform based on email and password and some basic bank data
- › Allow users to calculate currency conversions based on real-time currency rates using a custom-built, real-time currency rate refresh algorithm
- › Integration with a well-known currency rate API provider
- › Allow users to create offers for exchanging a specific amount of a selected currency to some other currency they need
- › Send personalized emails with notification and transaction details after user offer is accepted

## TECHNOLOGIES

- › Backend technologies: Python, Django, Django REST Framework
- › Frontend technologies: React, Redux, Next.js, Material UI
- › Database: PostgreSQL
- › Deployment: Docker, AWS
- › Issue tracking system: Jira
- › Version control system: GitHub
- › Chat/communication: Slack
- › Other: InVision, Google Tag Manager, HotJar



*Working with Crexspace was better than expected. The project provided many interesting challenges, e.g. real-time foreign exchange rate. We used Material UI and React to build a fast application. Thanks to this, the design is friendly and the code is very clean and slick.*

— Adam Sajko, JavaScript Developer @ STX Next



*Crexspace is being developed by quite a small team with everyone focusing on different parts of the stack. The most challenging for me was to integrate external currency rates provider API with our platform and create access permissions rules, because it's the most important part of this product.*

— Damian Brzoskowski, Python Developer @ STX Next

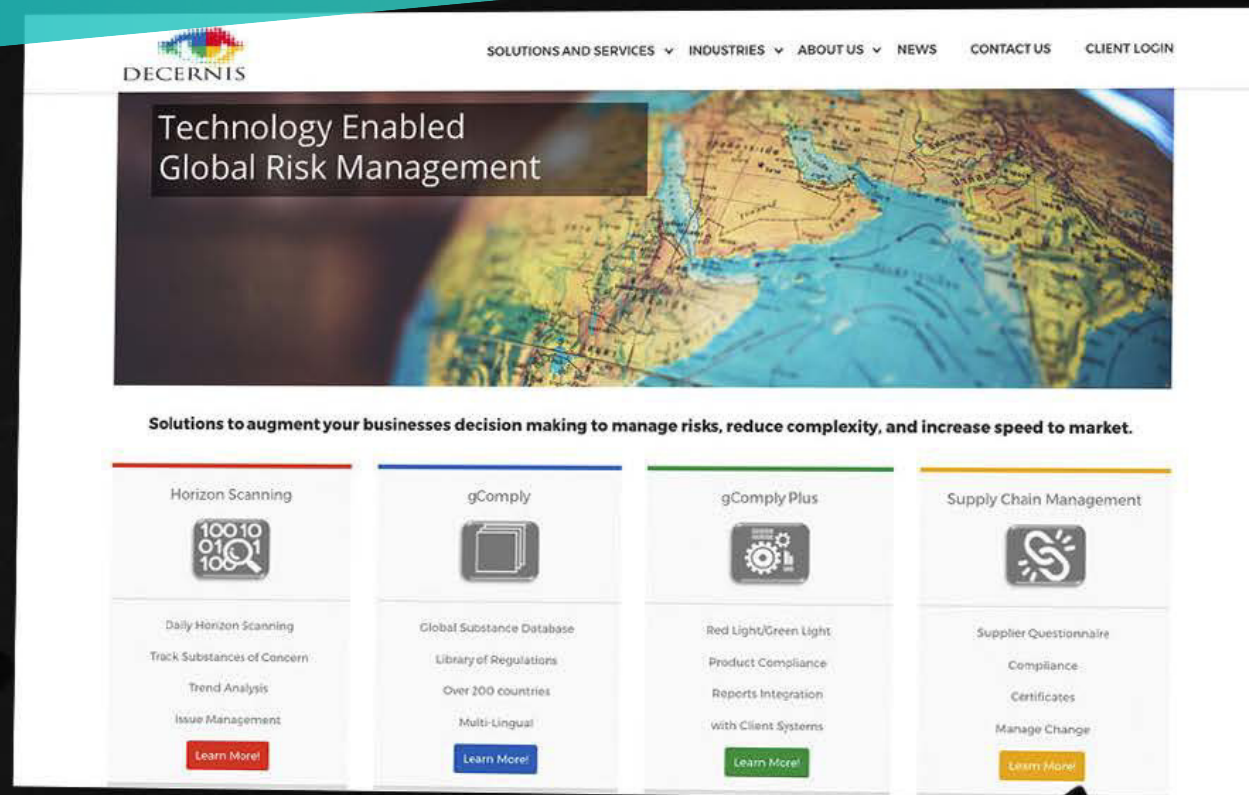


# Decernis

Decernis

## ABOUT

Based in Washington DC, Decernis provides regulatory expertise and systems to manage food, consumer, and industrial product safety compliance across more than 180 countries. Decernis gives clients the most complete regulatory intelligence on the market through unique, fully integrated, patented technology platforms covering over 80,000 regulations.





## CHALLENGE

Decernis' application was based on a fairly old technological stack. The development team had to adapt in order to not only support the existing stack, but also to introduce newer technologies with better support. The team managed to balance the difficult task of communicating to several decision makers located in different parts of the world.

## STX NEXT DELIVERED

- › Introduced RESTful web services, increasing overall scalability and modularity of the system
- › Live full-text search support for collection of millions of documents, growing every day
- › Rich document generation system, automating compliance certificate issuing

## FEATURES

- › Always up-to-date global regulatory information for Decernis' customers
- › Food regulation information crawling for Decernis researchers
- › RESTful Web Services that customer software can consume

## TECHNOLOGIES

- › Back-end: Django, Flask, Plone
- › Front-end: AngularJS, JQuery
- › Database: PostgreSQL, Oracle, Redis, ZODB, OpenLDAP
- › Deployment: Ansible
- › CI tools: Jenkins
- › Test automation: Selenium WebDriver
- › Issue tracking system: Jira
- › Version control system: GitHub
- › Other: Apache Solr, SeaweedFS



“As the project moved forward, we were given an opportunity to choose the technologies. We decided to go with AngularJS, Django, and the latest Python version. We could work with the latest technologies and create code using the best practices possible, which made the code much cleaner and well tested.

— Jakub Szafranski, Python developer @ STX Next

# Deuce Tennis

## ABOUT

Deuce Tennis is a British startup aiming to make playing tennis simple, fun, and affordable for everyone. They gathered a team of some of the best coaches and specialists in the industry to create group training programs accessible to people of all ages and abilities. Through the app people are also able to discover and connect to courts and clubs near to them. Their core belief is that tennis is a team sport, front and centre. Deuce Tennis recently received backing from tennis legend Andy Murray.



# Deuce Tennis

## CHALLENGE

Stakeholders on the Deuce team have been engaged in the tennis community for many years. They are tennis enthusiasts and desire to connect players, clubs, and venues. To achieve these goals they decided to build an application which brings tennis players, fans and clubs together.

The main challenges for Deuce involved making the app available on a range of different devices. Additionally, the core functionality had to be delivered before the greatest tennis event of the year - Wimbledon.



*Deuce is a startup with a desire to bring together the tennis community. Their goal is quite ambitious, but after 4 months of intensive development, Deuce is available for both mobile and web, has real live tennis sessions ongoing and the support of famous tennis star Andy Murray. Currently, the most important challenge is to maintain the rapid growth of the application as the user base expands.*

— Mikolaj Lewandowski, Python Developer @ STX Next

## STX NEXT DELIVERED

- › One permanent Scrum Team available exclusively to the client
- › Product Design Team support
- › Discovery Workshops
- › Business needs analysis and detailed UX and UI design for the application
- › Technical design and full-stack development of an end-to-end solution, including web and mobile applications for users as well as a management panel for Deuce administrators
- › Production environment and tools configuration
- › QA including automated and manual testing
- › Continuous Integration

## FEATURES

- › Creating community accounts
- › Browsing the tennis sessions organized by the Deuce Team
- › Browsing available tennis courts in your area
- › Booking tennis session and courts
- › Inviting friends to play with you
- › Complete management panel for Deuce administrators
- › Notification system
- › And more in progress!



*It's been an absolute pleasure working with the engineers at STX: from day one they've shown a huge amount of professionalism and drive to deliver great results quickly. It's been easy to discuss different approaches, whether it be technical solutions, better ways to work together, or product decisions from a user perspective. This has ensured we've achieved the best outcomes*

— Christy O'Reilly, CTO @ Deuce Tennis

## TECHNOLOGIES

- › Backend technologies: Python3.6, Django, pytest
- › Frontend technologies: React, React Native, Responsive Web Design, Bootstrap
- › Database: PostgreSQL
- › Issue tracking system: Trello
- › Version control system: GitHub
- › Chat/communication: Slack
- › CI tools: Heroku CI
- › Deployment: Heroku, Docker
- › Other: Google Analytics, Sentry, Selenium automated acceptance tests



# DIGIT Game Studios

Development support for *Star Trek Fleet Command*

## ABOUT

DIGIT Game Studios is the largest game developer in Ireland, founded in 2012. With their vastly talented team of over 70 people, DIGIT makes free-to-play mobile strategy games. Released in 2014, the studio's first game, *Kings of the Realm*, became a worldwide hit and the highest-grossing strategy game in over 50 countries. DIGIT followed up on their successful debut in 2018 with the release of *Star Trek Fleet Command*.



# DIGIT Game Studios

Development support for *Star Trek Fleet Command*

## CHALLENGE

DIGIT Game Studios came to us for support in finalizing the mobile game they were building with Python on the server-side. At the time, development was already well underway and in the late stages. In order to deliver the product in time and of the highest possible quality, DIGIT decided they could use an extra pair of hands to help them out.

An extra pair of hands was just what we provided. We helped improve the game's performance by adding features to various tools and created solutions in Python for other teams that worked on *Star Trek Fleet Command*.

## STX NEXT DELIVERED

- › One permanent Developer working exclusively with the Client's team
- › A set of features and tools extending the basic functionalities of the platform (e.g. providing performance optimizations and a data validation tool)
- › Investigation of issues and preparation of solutions for long-term use

## FEATURES

- › Preventing override changes
- › Adding more detail to the tracking system
- › Implementing changes to the in-game chat
- › Developing export/import setup tools for in-game bundle/tournament configurations
- › Adding functionality for finding in-game cooperation partners

## TECHNOLOGIES

- › Backend technologies: Python 2.7, Python 3.6, Flask
- › Frontend technologies: Angular
- › Database: MySQL, ElasticSearch, Redis
- › Issue tracking system: JIRA
- › Version control system: GitLab
- › Chat/communication: Slack
- › CI tools: GitLab
- › Deployment: Docker, AWS
- › Other: Integration tests



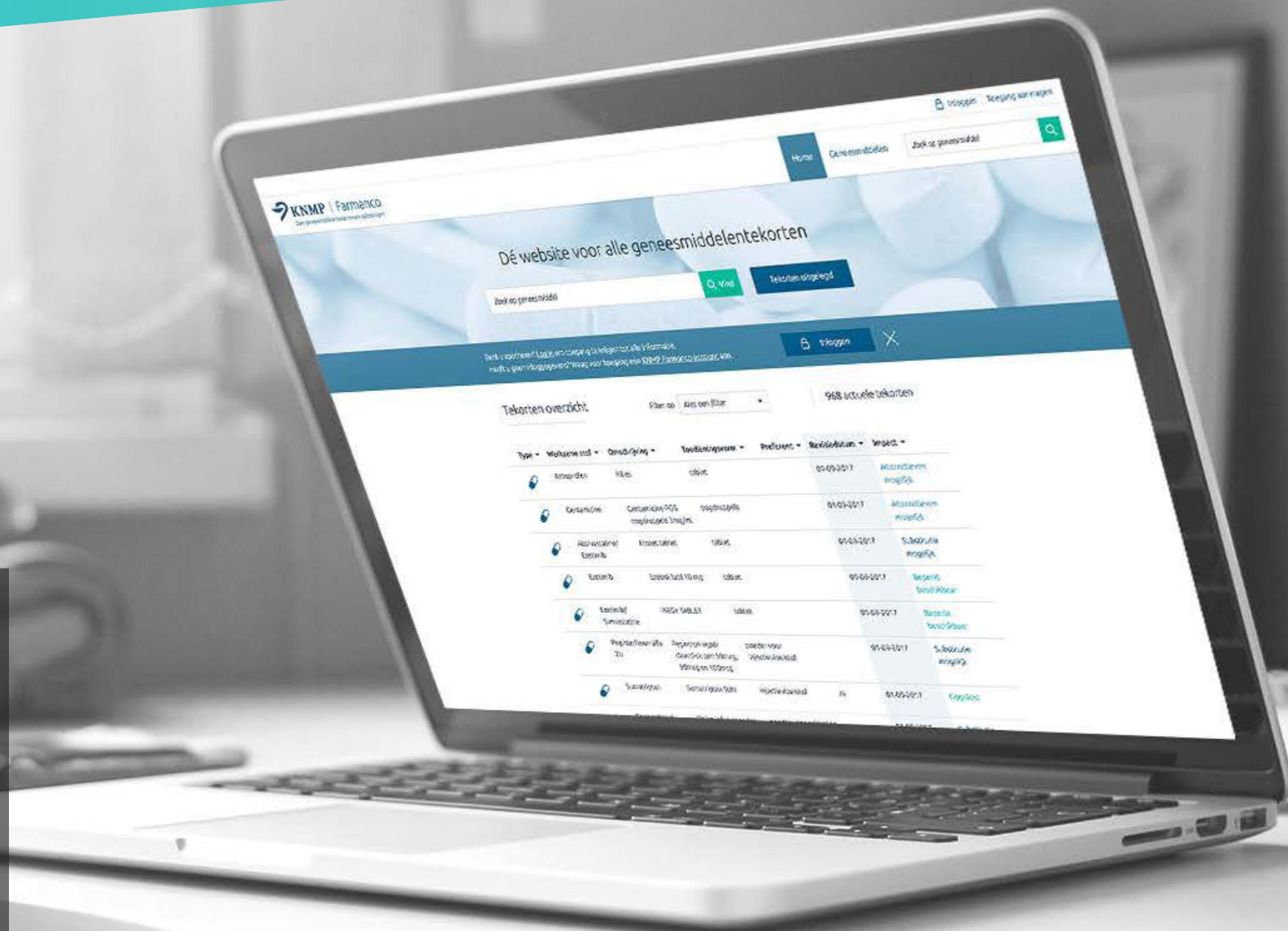
Working with DIGIT Game Studios on *Star Trek Fleet Command* was an extraordinary experience, because it gave me a chance to combine my passion for gaming with my daily job as a Python developer. The late stages of game development are always the hardest, but what's important to remember is that games are all about fun—both for the players and the creators. And I had a lot of fun working with DIGIT.

— Łukasz Jagodziński, Full-Stack Developer @ STX Next



## ABOUT

KNMP (The Royal Dutch Pharmacists Association) is a Dutch umbrella organisation for both professional pharmacists and the pharmacy in general. It promotes both the interests of its members and the interests of the pharmaceutical sector in the Netherlands



## CHALLENGE

One of the biggest challenges for the pharmacy industry in the Netherlands is that more and more medication is temporarily or permanently unavailable. The Farmanco platform gives KNMP employees the ability to maintain information about shortages.

## STX NEXT DELIVERED

- › A custom Content Management System that allows the management of medicine shortages
- › An application design that enables the user to easily update content
- › A system that quickly notifies doctors, pharmacists and patients of the availability of a particular medicine

## FEATURES

- › Refreshed design
- › Update tool that pulls information from external database
- › Unique workflow for editing, auditing and publishing of cases

## TECHNOLOGIES

- › Back-end: Flask
- › Front-end: AngularJS 1.5
- › Database: MySQL 5.6
- › Deployment: Jenkins 2
- › CI tools: local PyPI, Setuptools
- › Issue tracking system: Jira, Bugzilla
- › Version control system: Git + Github



“For me the most interesting part is the level of responsibility. This project is being developed by quite a small team with everyone focusing on different parts of the stack. The fact that we started from scratch gave us opportunity to introduce the newest technologies.

— Mateusz Sobas, Python developer @ STX Next

# finstreet GmbH

finstreet GmbH

## ABOUT

finstreet GmbH provides consulting services to banking and financial services organizations in Germany. Their focus is on the conceptual design, as well as the development and distribution of digital products and business models.



## CHALLENGE

finstreet's biggest challenge was the race against time. They needed to create a banking application in less than 4 months. The app required fully responsive web design while providing the highest quality of user experience. At the same time, server-side app security was a top priority for this banking project.

STX Next provided finstreet with a Development Team of 9 people including a Scrum Master/ Product Owner. The team stood up to the challenge of creating the app in less than four months. Their efforts resulted in a responsive app with an excellent UX. The app meets the highest server-side security standards.

## STX NEXT DELIVERED

- › 1 Full Scrum team
- › Backend Development
- › Frontend Development
- › UI Design
- › Automated Testing
- › Automation of deployment processes

## FEATURES

- › Banking-related web application
- › Separate inquiry management portals for customers and bank employees
- › Extensive notification system
- › Credit inquiry workflow implemented online

## TECHNOLOGIES

- › Backend technologies: Python 3, Django Rest Framework
- › Front-end technologies: Angular 4, ngRx
- › Database: MariaDB
- › Issue tracking system: Jira
- › Version control system: Git + Github
- › Chat/communication: Slack
- › CI tools: Jenkins
- › Deployment: Fabric
- › Automated tests: Selenium, Behave



*We really appreciate working with STX Next, because of their dedication to quality as well as their effort to meet always the deadline - even in a very challenging project phase.*

—Dr. Holger de Bie, Innovation Manager @ finstreet

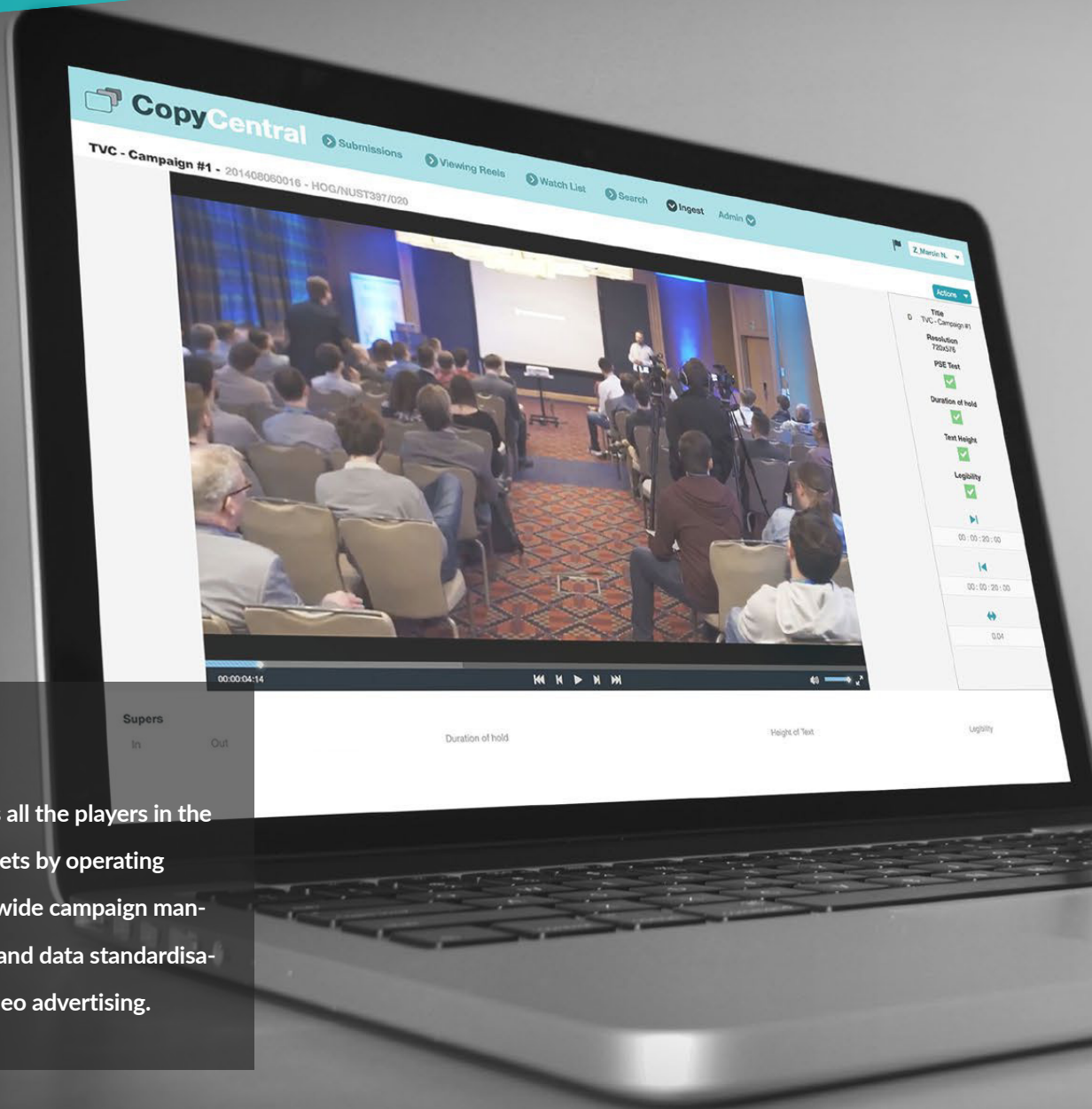


*In spite of the complex requirements and the constant struggle with time, the team did not give up, and because of that, we were able to finish the project on time. What I value the most is the cooperation established between STX Next and finstreet. They trusted us, and we proved that it was the right decision!*

— Mateusz Łobocki, Python Developer @ STX Next



# IMD Optimad



## ABOUT

Optimad connects all the players in the TV and VOD markets by operating advanced market wide campaign management systems and data standardisation portals for video advertising.



# IMD Optimad

## CHALLENGE

The client wanted the team to deliver a complex solution within a short timeframe as a replacement for the previous ad clearance system used by Clearcast.

STX Next was chosen among other companies and working closely with the client developed a complete solution which covers various workflows for different types of users, including top UK broadcasters and hundreds of advertising agencies. The solution needed to be able to handle heavy traffic and the upload/download/streaming of large video files.

## STX NEXT DELIVERED

- › Django-based backend
- › Software integration
- › Wide range of backend and frontend features over a few years
- › Migration to AWS
- › Large set of automated tests
- › Ongoing support

## FEATURES

- › Advanced search and indexing
- › Video player add-ons with thumbnail previews for navigating through clips
- › Video measuring tool - Automated video check
- › Live chat on submission details
- › APIs for broadcasters

## TECHNOLOGIES

- › Backend technologies: Django, Celery, Redis
- › Front-end technologies: Backbone, jQuery
- › Database: PostgreSQL
- › Issue tracking system: JIRA
- › Version control system: Git
- › Chat/communication: Slack, Google Meet
- › CI tools: Jenkins
- › Deployment: Puppet
- › Other: Behave, nginx

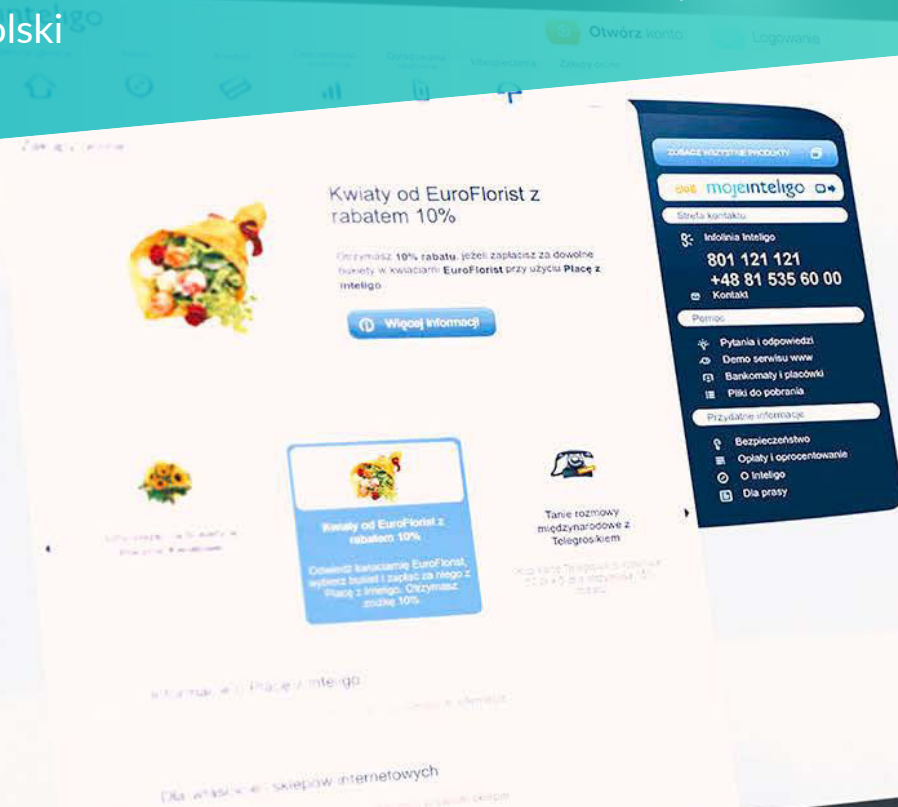


*Releasing a product is one part of the game, but the real challenge is long term support and development. Reacting to the users' needs, working on optimization and improvements as well as watching it work well under high load is what we like about this project and what makes us proud. Great cooperation and relations with the client's team made it even better.*

— Marcin Najtkowski, Python Developer @ STX Next

# Inteligo Financial Services *(completed in 2014)*

PKO Bank Polski



## ABOUT

Inteligo Financial Services S.A. is one of the first online banks in Poland. It is owned and operated by PKO Bank Polski, Poland's largest bank by market value and listed among Forbes Global 2000 in 2016.

# Inteligo Financial Services *(completed in 2014)*

PKO Bank Polski

## CHALLENGE

The goal of the website was to provide Inteligo a solution enabling advanced content management. The proposed CMS had to be adjusted so that it could generate a statistical version of the content. The portal had to be resistant to a single breakdown point and integrated with the client's existing infrastructure. Consolidation of the static content with a dynamic functionality was needed, along with search contents, comments and a contact form. Integration with the bank's internal systems allowed for "create a new account" forms sharing.

## STX NEXT DELIVERED

- › A proprietary (open-sourced) module stx-next.staticdeployment enabled generating a static version of the content
- › Existing infrastructure was integrated with a CMS Plone system
- › A reliable 'storing data in relational database' architecture was created which enabled the CMS application to operate in a hot standby mode
- › Integration with Google Maps to enable search of ATM locations
- › The portal was linked with tracking systems and forms to open accounts and deposit money were created

## FEATURES

- › Heavily customized Plone CMS that perfectly fits the client's requirements
- › Ability to generate static version of portal's content
- › Integration with Google services for geocoding and displaying ATMs locations on a map

## TECHNOLOGIES

- › Back-end: Plone, Zope
- › Front-end: Javascript, JQuery
- › Database: ZODB/RelStorage, PostgreSQL
- › CI tools: Jenkins
- › Issue tracking system: Bugzilla
- › Version control system: svn
- › Automated tests: unittest
- › Other: Xapian, Apache, stxnext.static deployment



*Any solution developed for a client from the banking industry must meet strict guidelines and provide the highest quality in terms of security, reliability and performance. When designing and developing the informational portal for Inteligo, we created a customer specific architecture based on CMS Plone, which met the highest expectations at that time and provided us invaluable experience.*

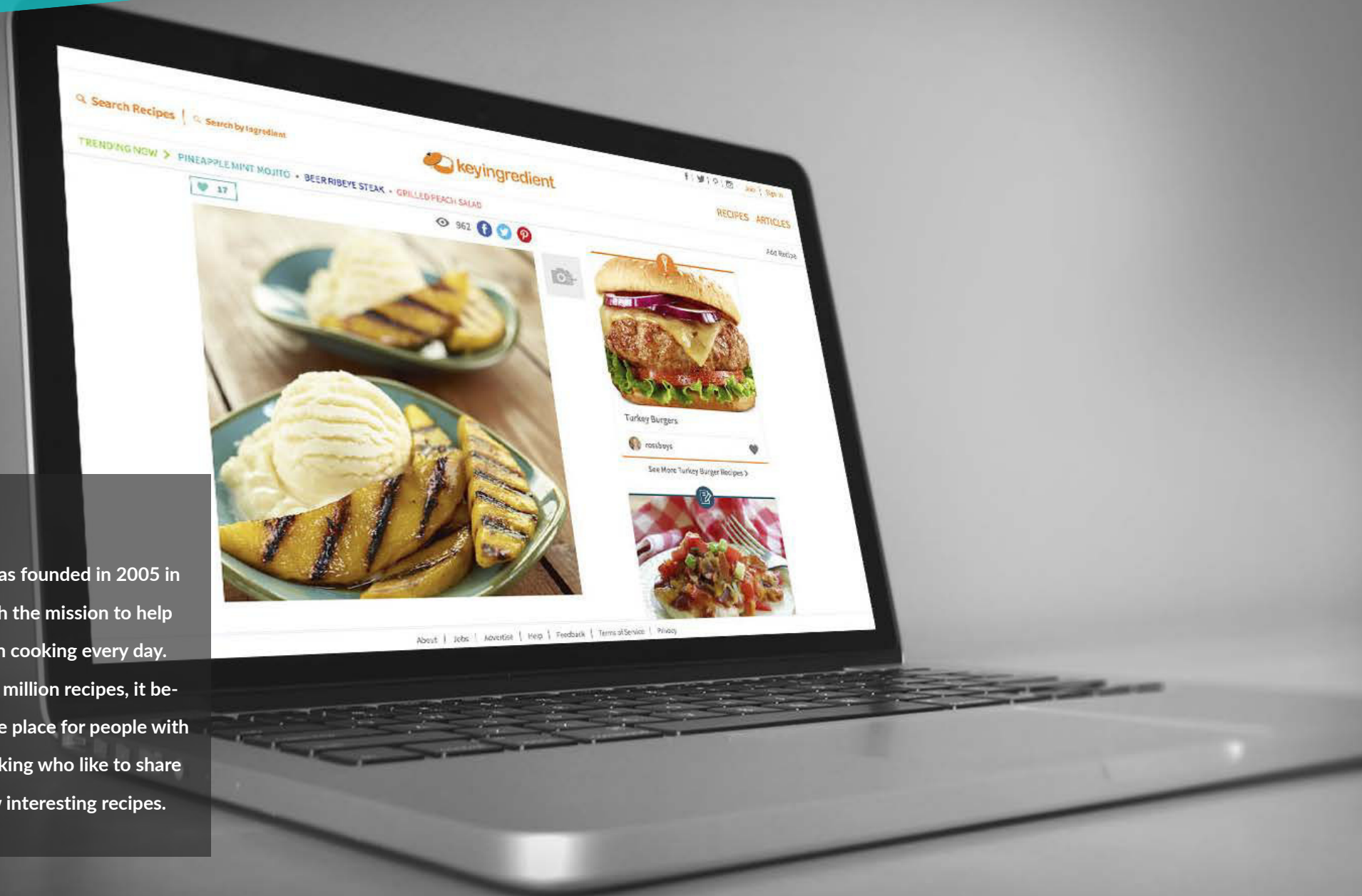
— Radosław Jankiewicz, Python developer @ STX Next

# Key Ingredient website

Key Ingredient

## ABOUT

Key Ingredient was founded in 2005 in Austin, Texas with the mission to help people succeed in cooking every day. By storing over 2 million recipes, it became the ultimate place for people with a passion for cooking who like to share and discover new interesting recipes.



# Key Ingredient website

Key Ingredient

## CHALLENGE

Prior to taking over, the Key Ingredient website provided poor user experience resulting in a small number of pageviews. Page loading time was highly insufficient. Both the code and the library were outdated. The team worked to reduce the costs of hosting while maintaining the same capability of the site. The developers are constantly working on improvements to the website.

## STX NEXT DELIVERED

- › Site speed improvement (4-5x faster)
- › The highest SEO ratings due to front-end, back-end and sitemaps improvements
- › Streamlined technical stack by moving categories to elastic search (removing Oracle), moving pages to site (removing Unbounce)
- › Moved ad code to site for better targeting, and higher revenue (managing ads and vendor in Doubleclick)
- › 4,5 TB of unused stored data cleaned
- › Secure https protocol, instead of previously used http

## FEATURES

- › Fully responsive web design (still in progress)
- › Food industry articles available to users
- › Admin Panel, redesigned and upgraded with new tools (such as image management)
- › Automated tests (Selenium, Behave) to increase site quality

## TECHNOLOGIES

- › Back-end: Python 2.7.x, Django, Flask, NodeJS, Sails, Celery, Redis, RabbitMQ
- › Front-end: AngularJS, LESS, Bootstrap
- › CI tools: CircleCI
- › Database: PostgreSQL
- › Integration with 3rd parties: Golang
- › Deployment: Docker, AWS, Salt
- › Issue tracking: Jira
- › Knowledge base: Confluence
- › Version control system: Git + Github
- › Monitoring: Sentry



*The most challenging part of this project was keeping the page loading time short with almost 2 million recipes in our datastore. That's why we decided to use Google App Engine with Elasticsearch as our main back-end technology. On the front-end side we choose to use Backbone.js.*

— Grzegorz Derdak, Python developer @ STX Next

PLATFORMS:





## ABOUT

Koinim is the biggest online Bitcoin exchange platform and wallet for Turkish crypto enthusiasts. The exchange platform has been running on the Turkish market since 2013. Koinim allows users at all levels of experience to buy and trade Bitcoin and Litecoin for Turkish Lira and deposit these coins on their user accounts as well as transfer them to external wallets.



## CHALLENGE

Koinim was being developed at a rather stable pace but the latest popularity boom for cryptocurrencies resulted in a huge influx of users, forcing the owners to adapt more quickly to the market. Reliability and performance became a serious priority. The STX Next team proceeded to optimize the processes driving the business logic of the application. Over several production releases, the first of which took place less than a month after the kickoff, we gradually increased the daily capacity of the application by 300%. Koinim decided to turn over the development fully to STX, and to include us in their vision of a large, stable, multi-national crypto exchange platform.

## STX NEXT DELIVERED

- › Full-Stack Development
- › End-to-End Solution
- › UX/UI Design
- › Business Analysis
- › Automated Testing
- › Continuous Integration
- › Performance optimization: the platform can now handle 4 times more user sessions, which directly impacts the income from the product.

## FEATURES

- › Introduction of a new cryptocurrency
- › Implementation of Ethereum (in progress)
- › Automated fiat money deposits
- › User groups and a permission system for Administration Panel
- › Real-time user notifications using Pusher
- › Integration with new invoice provider - Efinans

## TECHNOLOGIES

- › Backend technologies: Python + Django + Celery + Redis (as cache) + RabbitMQ (as broker)
- › Front-end technologies: jQuery + AngularJS + Twitter Bootstrap
- › Database: MySQL
- › Issue tracking system: Jira
- › Version control system: Git
- › Chat/communication: Telegram, Hangouts
- › CI tools: Jenkins (Docker to build images)
- › Deployment: Manual to production, Jenkins to dev/stage machines
- › Other: Integration with AWS SES, SMS providers, Pusher



*After joining the Koinim project, I got to know the meaning of the word “professionalism”. New technologies, a refined process and perfect communication with the client and other team members. I highly recommend it.*

— Krystian Jagiełło, Tester @ STX Next



*We met STX in the beginning of the latest cryptocurrency boom and their contribution was vital to us when managing that extraordinary demand. They quickly adapt to the company and domain, show true ownership by always acting proactively towards a solution and deliver high quality work even under stressful conditions. STX is now one of the most essential partners of our business.*

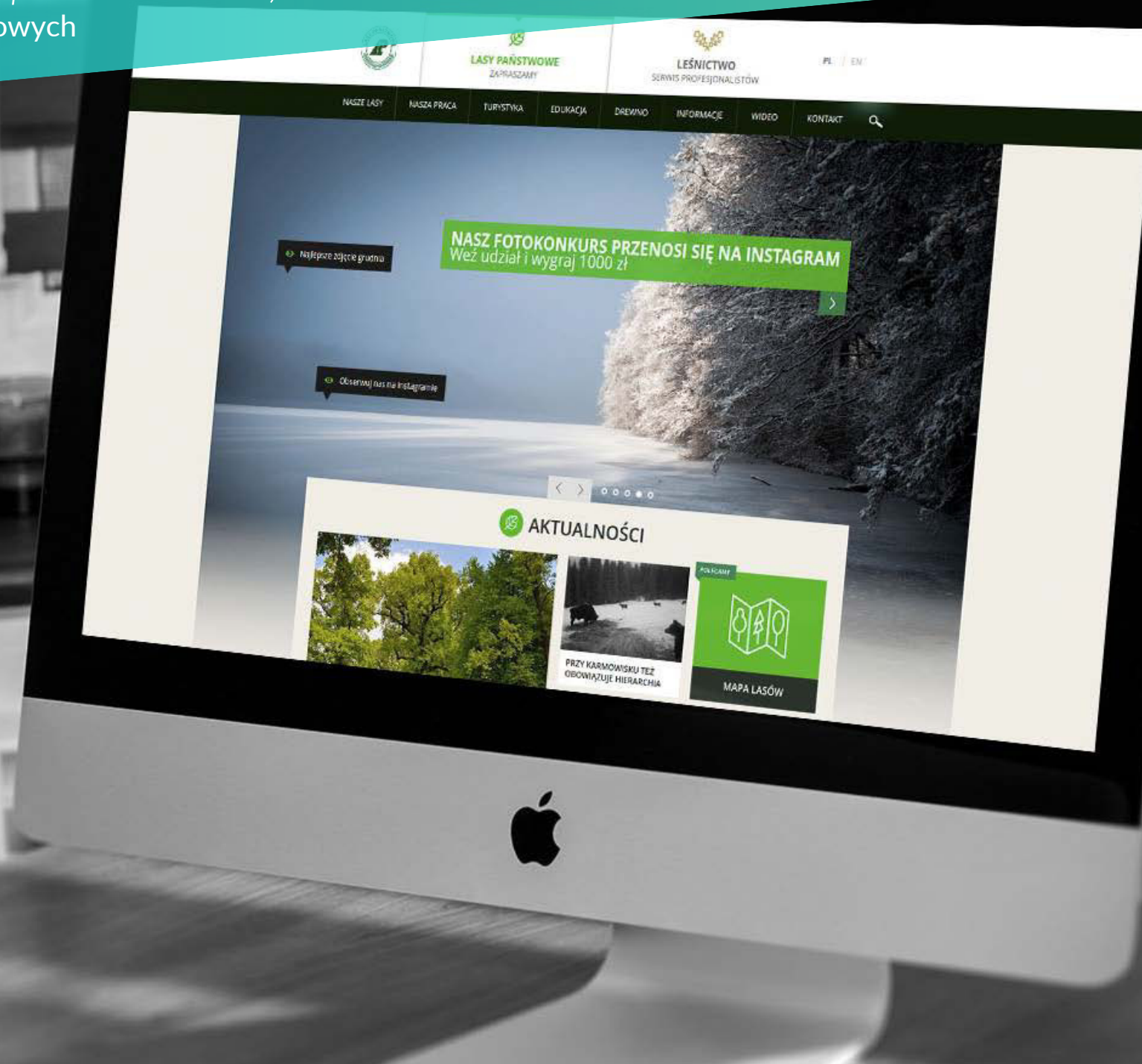
— Çağatay Yüksel, Founder and CEO @ Koinim

# Lasy Państwowe (completed in 2014)

Dyrekcja Generalna Lasów Państwowych

## ABOUT

Polish State Forests (Polish: Lasy Państwowe) is a Polish governmental organization that manages state-owned Polish forests on behalf of the Polish State Treasury. The agency is among the top 20 companies in Poland based on revenues from sales.





# Lasy Państwowe (completed in 2014)

Dyrekcja Generalna Lasów Państwowych

## CHALLENGE

The government agency needed to deploy a new graphic design that would adapt to present day users. It was important for the site to operate efficiently and handle a high number of visitors. Modernization and functionality of the site was the team at STX Next's main priority.

## STX NEXT DELIVERED

- › Portal based on a modern CMS that allows intuitive and convenient content management accompanied by a new graphic design.
- › Due to performance requirements, modern caching techniques were employed
- › We used tools, such as Munin and Nagios, allowing for the monitoring of the server status and alarming the agency in the event of problems

## FEATURES

- › Heavily customized Plone CMS that perfectly fits customer's requirements
- › Using 'tiles' to conveniently edit fragments of pages' content
- › Ability to manage multilingual content

## TECHNOLOGIES

- › Back-end: Plone, Zope
- › Front-end: Javascript, JQuery
- › Database: ZODB/RelStorage, PostgreSQL
- › CI tools: Jenkins
- › Issue tracking system: Bugzilla
- › Version control system: svn
- › Automated tests: unittest
- › Other: Xapian, Apache, stxnext.static deployment



„Cooperation with the Polish State Forests was a model case of implementation of a modern CMS as a solution for a government agency website. At the time we used Plone with the latest extensions that increased the efficiency of the content management.

— Radosław Jankiewicz, Python developer @ STX Next



## ABOUT

Analytics, DMP and DSP solutions based on cookie-less technology. Myntelligence helps companies put their customers first, to transform these customer's digital model into a user-centric business and manage audience buying independently.



## CHALLENGE

The team created a platform for broad and detailed web analytics: from collecting data about users visiting particular websites/services to segmenting the data and selling them on the internal market. MyNtelligence also allows companies to manage web campaigns based on collected data and analyze the results of those campaigns.

## STX NEXT DELIVERED

- › User's data visualization with interactive charts
- › Ability to group unique users into segments
- › Online campaigns management module
- › Campaign efficiency analysis module
- › Admin panel for platform management (creating accounts, managing permissions, etc.)
- › "Demo account" for sales presentations purposes
- › Marketplace functionality for trading the segments

## FEATURES

- › Data aggregation service
- › Artificial data generator service
- › Extended permission systems
- › Custom admin panel
- › Single Sign-On (SSO) via OneLogin platform
- › Internal marketplace system

## TECHNOLOGIES

- › Back-end: Django, RQ, Django Rest Framework, Pandas
- › Front-end: Coffeescript, Marionette.JS, nvd3
- › Database: Postgresql
- › Deployment: Fabric
- › Testing: Behave
- › Issue tracking system: Jira
- › Version control system: Git
- › Other: EC2, S3, RDS



STX Next is a first class development partner and it has been a pleasure to work with them. Not only do they bring excellent software engineering skills to the table, but they also back it up with a deep knowledge of applying Agile SCRUM and related methodologies to the development and delivery process. We worked with them over a period of many months and found them to be highly professional, dedicated and transparent in their dealings with us. I would highly recommend them.

— Javad Zahir, CTO @ Myntelligence



The project provided us with many challenges, both technical and organizational. We had an opportunity to acquire new knowledge and to be creative with the technologies we used. I'm sure that the product we developed with the client will be the beginning of a successful business.

— Marcin Słowiński, Python developer @ STX Next



# NOTA NOTA

Custom perfume-making technology

## ABOUT

NOTA NOTA allows designers and creators from all over the world to design and share perfumes. It's a new concept of mixing perfumes as part of your daily routine, just like using your coffee machine. NOTA NOTA received the iF Design Award in the Product category in 2018.



# NOTA NOTA

Custom perfume-making technology

## CHALLENGE

The client had already developed a proof-of-concept app using Xamarin, but needed the actual software to go live. We rebuilt the NOTA NOTA app from scratch using React Native for cross-platform mobile development, which saved us a lot of time.

Tried-and-tested, out-of-the-box solutions helped us reduce costs both during and after development. Creating the process of perfume making was the highest priority, so we took care of it first.

Product Design played a key role in the development process. All the core app functionalities were redesigned by applying new user flows and interactions. Crafting the visualization of perfume making was one of the most exciting challenges.

## STX NEXT DELIVERED

- › One permanent Scrum Team available exclusively to the client
- › Full redesign of the application, including a brand new look and feel, a fresh approach to core functionalities, and additional improvements in the overall flows and navigation
- › Analysis and ideas for improvements to the development process (delivered as a workshop)
- › Cross-platform mobile app for both iOS and Android
- › Backend solution
- › Additional administrative app to manage and curate user-generated content

## FEATURES

- › Controlling a perfume-making device in the app via Bluetooth LE connectivity
- › Designing and producing perfumes from basic scents, creating unique fragrances
- › Sharing perfume recipes with the community through a social platform
- › Managing, promoting, and curating user-created content in the Admin interface
- › Internationalization with Right-to-Left layout support

## TECHNOLOGIES

- › Backend technologies: Django 2.1, Python 3.6, Graphene
- › Frontend technologies: React Native, TypeScript, Apollo Client, Redux, Lottie
- › Database: PostgreSQL
- › Issue tracking system: JIRA
- › Version control system: GitHub
- › Chat/communication: Slack
- › CI tools: Travis CI
- › Deployment: Docker, AWS
- › Other: Google Firebase



Our team was tasked with developing a mobile app to interact with a unique IoT device via Bluetooth Low Energy. Using React Native, it was easy to rapidly prototype and implement new ideas. Throughout the project we remained in constant communication with the client to gather feedback quickly and ensure we were on the right track to deliver a well-tested product that met strict quality standards.

— Hubert Dworczyński, JavaScript Developer @ STX Next

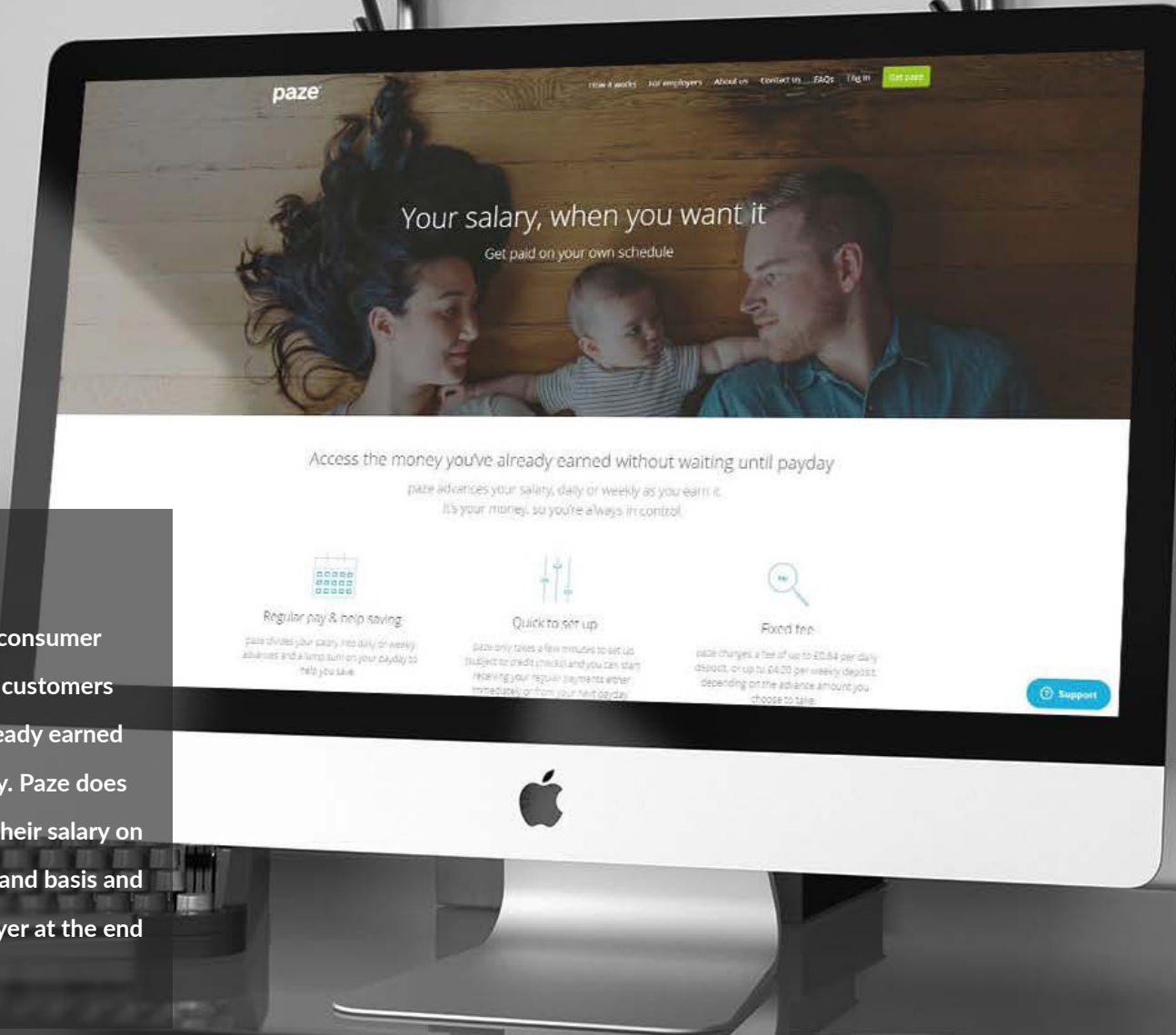


# Paze

Paze Finance Limited

## ABOUT

Paze is a next-generation consumer finance company that lets customers get the money they've already earned without waiting for payday. Paze does this by paying customers their salary on a daily, weekly, or on-demand basis and collecting from the employer at the end of the month.



## CHALLENGE

When taking over this project, the team needed to bring together all the previous code developed by several remote teams and consolidate it in a way that was usable by Paze's customer base. Additionally, the developers took care of the Access Control List, security issues and checks. The team's latest challenge involves creating features dedicated for employers as customers.

## STX NEXT DELIVERED

- › Reconciliation of reports between Paze database and external services to know if the disbursements are correct
- › Integration with Zooz (external service) during opt-out process so that customers can use their debit card for installments
- › Access Control List to make Paze more secure
- › Employers account so that they can manage their employees

## FEATURES

- › Everyday reports about reconciliation
- › Tab for checking statuses of disbursements
- › Using cards for paying installments after opt-out
- › Tab for employers to manage their employees

## TECHNOLOGIES

- › Back-end: Flask,
- › Front-end: AngularJS
- › Database: Postgres
- › Deployment: based on Docker containers to cloud
- › CI tools: Codeship
- › Issue tracking system: Jira
- › Version control system: Github



“One key highlight was their ability to take complete ownership over their work, paying close attention to each detail and always taking into account the end-user and the overall business goal.

— Gilad Amir, CEO @ Paze



“The most interesting part of the project was the fact that the client was very open to our ideas for mobile apps design.

— Agata Kapa, Product Owner @ STX Next



# Pixomondo

## ABOUT

Pixomondo is an international visual effects company with a global network of studios in Los Angeles, Toronto, Vancouver, Stuttgart, Beijing, Frankfurt and Shanghai. The company is revolutionizing its industry offering visual effects production and supervision, CG character creation, 3D animation and pre-visualization for the feature film, television, and commercial industries. Among their projects are Game of Thrones, Star Trek Discovery, Agents of S.H.I.E.L.D., X-Men, Fast and Furious and Wonder Woman.



# Pixomondo

## CHALLENGE

Pixomondo receives video frames from their clients in different formats with different naming conventions and file structures. Each asset requires specific preprocessing which until now was done semi-automatically with console tools. Their challenge was to create a configurable desktop application with a UI for automating the preprocessing step, allowing Pixomondo to implement further image processing.

## STX NEXT DELIVERED

- › A dedicated desktop app
- › Implemented sophisticated logic combined with regular expressions
- › Created a variety of unique processors dedicated to transforming the required files
- › Performed manual and automated QA testing

## FEATURES

- › Fully operational application to process sequences of graphic files
- › The app allows the user to extract thumbnails and previews, and send frames to render farms
- › Environment for quick and easy adding of new features, such as processing movie files
- › UI that speeds up batch operations and minimizes manual work behind repeatable tasks

## TECHNOLOGIES

- › Backend technologies: Python 2.7
- › Frontend technologies: PySide 1.2.4, Qt 4
- › Version control system: git
- › Chat/communication: Skype
- › Other: PyBuilder



*As developers we don't have many chances to work for such spectacular clients. The idea that our application will help create the most famous Hollywood productions was more than exciting. Now everytime I watch Game of Thrones I say: it wouldn't look like that without a piece of my work.*

—Michał Frąk, Python Developer @STX Next



*It was a pleasure working with the team at STX Next. Collaboration and communication worked like a charm and made our first foray into hiring outside help a big success. The developed tool included technology we were able to extract as a library and made the effort even more worthwhile. Looking forward to our next endeavour.*

— Sebastian Kral, Global Head of Pipeline @ Pixomondo



# Sofi

Effortless mobile loan application service

## ABOUT

Sofi offers a stable and reliable loan system for employees and employers alike. Employees can request an advance on their salary from their employers using a mobile application, while employers can easily manage and process these loan requests.



# Sofi

## Effortless mobile loan application service

### CHALLENGE

Sofi came to us with an ambitious and interesting project to fill a niche on the Indonesian market. Small loans (such as payday loans) are very popular in Indonesia, but they are unsafe and inefficient, mostly handled by the employers and not financial institutions.

STX Next provided an end-to-end solution for the companies and employees, tailored to improve the existing service and establish Sofi as a financial institution. We created a reliable, modern Android app for the employees that simplifies the whole loan application process. Every action is secure and cataloged.

### STX NEXT DELIVERED

- › One permanent Scrum Team available exclusively to the client
- › Frontend and backend cross-platform mobile app development
- › Improved UX by revamping the information architecture and user flows, as well as redesigning the UI
- › Comprehensive QA through both manual and automated testing
- › Discovery Workshops and close cooperation with the client to help them fully realize their product vision

### FEATURES

- › Customizable Payday rules for employees
- › Bilingual mobile app (in both Indonesian and English)
- › Changelog for audit purposes
- › Two-step verification for loan requests
- › Isolated and customizable space for each of the participating companies
- › Portal for supervising and managing companies and employees
- › Solution for generating invoices and managing payments from companies
- › Secure data storage and communication with mobile devices

### TECHNOLOGIES

- › Backend technologies: Python 3.6, Django
- › Frontend technologies: React
- › Database: PostgreSQL
- › CI tools: Jenkins
- › Deployment: Docker, AWS
- › Issue tracking system: JIRA
- › Version control system: GitHub
- › Chat/communication: Slack
- › Analytics: Firebase
- › Other: Elasticsearch, GraphQL, Logstash



Challenges like the Sofi startup are always satisfying, invaluable experiences that pay off in the end. Knowing that all the effort we put into the app could change someone's life for the better helped me engage in the work to the fullest. Fintech projects in particular require not just software engineering expertise, but also an analytical approach, which is a great self-development boost.

— Wojciech Petka, Tester @ STX Next

## ABOUT

SuttaCentral is an NGO aiming to present Buddhist texts using the best technologies and design the modern web has to offer. By removing the limitations of language and tradition, SuttaCentral intends to “let the Buddha speak for himself”.





## CHALLENGE

The SuttaCentral team reached out to us with the idea to create a new website (based on a mockup they provided) with the plan of including offline functionality in the future. The project goal was to enable the public to access an online & offline library consisting of ~20,000 ancient Buddhist texts in 41 languages. STX Next provided SuttaCentral with a full development team (backend devs, frontend devs, QA Tester and a Product Owner) as an extension of the client's team.

## STX NEXT DELIVERED

- › New website functionality with advanced text reading features for ~20,000 ancient Buddhist texts in 41 languages,
- › A Flask/Arangodb-based backend,
- › A wide range of backend and frontend features,
- › A graph/object database using ArangoDB and Polymer2,
- › A large set of automated tests,
- › Ongoing support,
- › Solutions for the main user's challenges: slow/costly internet connection or lack of internet connectivity.

## FEATURES

- › Online & offline access to ~20,000 ancient Buddhist texts in 41 languages.
- › Text summary tables
- › Textview - basic and advanced read options (view for translated text with original language text in several reading options: side-by-side, line-by-line, pop up)
- › Parallel views (for text connections)
- › Pali language dictionary
- › Ancient & modern Chinese dictionary
- › Supporting for viewing the Pali text in 5 different scripts
- › Texts navigation and advanced reading options (textual information, etc.)
- › 2-level sidebar menu
- › Text search with extended dictionary functionality
- › Donations (integration with the Stripe payment provider)

## TECHNOLOGIES

- › Backend technologies: Flask, ElasticSearch
- › Frontend technologies: Polymer 2
- › Database: ArangoDB
- › Issue tracking system: Jira
- › Version control system: Git
- › Chat/communication: Slack, Google Hangouts
- › CI tools: Travis
- › Deployment: Docker, Travis
- › Other: Docker, Stripe





“What I value the most in the project is the close work relation that we’ve had with the core SuttaCentral team and really smooth communication in key areas of work. We have collaborated as partners which made the whole team happy to suggest technology solutions as well as functionalities or design elements to be considered. What is more, the SuttaCentral team supported us daily with their many years’ knowledge of the specifics of Buddhist texts, helping us fully concentrate on our area of work. That kind of partnership is the best that we could wish for in terms of smooth project implementation.

— **Małgorzata Maksimczyk, Product Owner @STX Next**



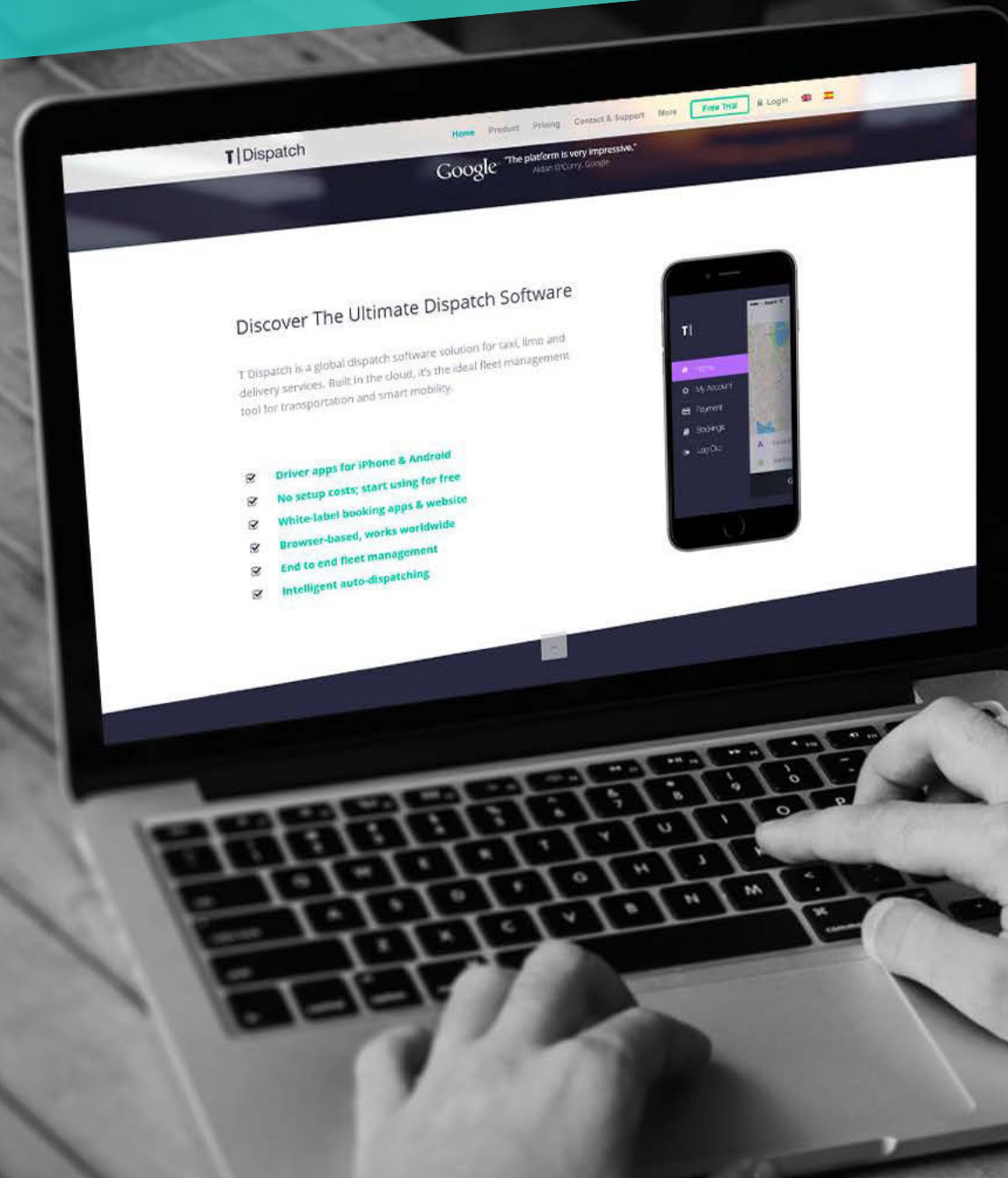
“We came to STXnext looking for a partner to join our developers in putting together a site for Buddhist texts. It’s a complex project, involving tens of thousands of texts and relations, and dealing with nearly forty languages. We’ve been more than happy with the process. The STXnext team has shown initiative and interest, and has been quick to adapt to working with our developers, strengthening us in areas we needed help.

They’ve put special effort into understanding the project and our needs, and ensuring that the process is smooth and pleasant. Let alone Python and Javascript, they even managed to find a team member with knowledge of Sanskrit! I feel we’ve learned, not just how to do this project, but how to be a better programming team in the future.

— **Bhante Sujato, Director @ SuttaCentral**

# T Dispatch

T Dispatch



## ABOUT

T Dispatch is a progressive software development company, which has built a unique dispatch system for passenger transport fleets.

# T Dispatch

T Dispatch

## CHALLENGE

Due to T Dispatch's diverse, global customer base there was a demand for localized customer features and payment service provider integrations. Currently, the development team is focusing on improving the performance of the overall system in order to handle an increasing number of end-users. STX Next joined as an extension of the existing in-house development team.

## STX NEXT DELIVERED

- › Integration with payment providers in 7 countries
- › New search engine, over 10 times faster than previous one
- › Increased performance which eliminated system outages
- › Security improvements related to booking and payment processes

## FEATURES

- › PayU Nigeria integration
- › PayU Latin America integration
- › Driver and passenger rating system
- › Cancellation fee

## TECHNOLOGIES

- › Back-end: Flask, Django, Tastypie, Kafka, Samza
- › Front-end: EmberJS
- › Database: PostgreSQL, Redis
- › Deployment: based on Docker containers to cloud Amazon AWS
- › CI tools: Jenkins
- › Issue tracking system: Jira
- › Version control system: Git + Github
- › Other: Confluence, Jupyter, Sentry, New Relic, StatusCake



*This project is really interesting because of the sheer number of used technologies and modern approaches such as messaging frameworks and microservices. Also, our team is international, so we have an opportunity to work with people from all over the world.*

— Konrad Łuczyński, Python developer @ STX Next

# Volkswagen Bank Poland

Softax

## ABOUT

VB Leasing Poland SA is part of VB-Leasing International Holding GmbH. It is a member of the Volksbanken Raiffeisenbanken association of banks. Today it is one of the leading leasing companies in Central and Eastern Europe and the leading company on the Polish market.

Working in Partnership with

softax





# Volkswagen Bank Poland

Softax

## CHALLENGE

Softax needed to provide Volkswagen Bank Poland with a system for financing the lease of vehicles in dealerships. A system which would allow for intuitive negotiation of financial parameters, comparison between multiple variants of hundreds of offers and simplification of this procedure by issuing automated decisions and compliance reports.

## STX NEXT DELIVERED

- › A system supporting all of the Volkswagen dealerships in Poland
- › Cut the time for the initial offer by half
- › Reduced the time to payout by 30%
- › Support for all types of clients (e.g., self employed, companies) and types of financing (e.g., credit, leasing, consumer lease)
- › A unified system for application processing throughout dealerships and in the bank

## FEATURES

- › Modular architecture allowing for incremental improvements to the platform
- › Integrations with external banking systems (e.g., BIK, Eurotax)
- › Extensive support for roles, ACLs two-step confirmation and auditing
- › Used by bank analysts, ambassadors, sellers, dealership managers, HR departments, auditors, regional sales managers
- › The system suggests best offers based on client history and decides which documents have to be supplied

## TECHNOLOGIES

- › Backend technologies: Python 2.7, custom fork of the Pyramid framework, Redis, Memcache, ESB
- › Front-end technologies: JavaScript, jQuery
- › Database: Oracle Database 12
- › Issue tracking system: Bugzilla, Jira
- › Version control system: Mercurial, Git, SVN
- › Chat/communication: Jabber
- › CI tools: Self hosted Jenkins
- › Deployment: Ansible, Puppet, Vagrant, Fabric
- › Other: Apache, Tipboard



*This is one of the most complex projects we're currently working on at STX Next, with a huge codebase and a very wide range of functionalities. It is an exciting challenge to shape the intricate flow of the application for maximum business value. We appreciate that we can freely choose the technology and make improvements in the software. A streamlined management process helps us work effectively.*

— Miłosz Zajonz, Senior Fullstack Developer @ STX Next

## ABOUT

Zappi is a new company on the UK supply teaching market. They come with 20 years of experience in recruitment and education and a strong focus on positive user experience and employee happiness. Their new app effortlessly connects teaching and support staff with local schools for supply work. The idea is to revolutionize this process, and make it easier, faster and far more transparent for schools and supply staff. Zappi teachers lead to happy kids!



## CHALLENGE

Zappi approached us with the need to design and build their application almost from scratch. But they did know that they wanted Python, as they were well-versed in its advantages. They put a strong emphasis on developing the application following good practices. We used the design thinking process to shape the solution and agile methodology to implement it. Thanks to our joint efforts, the Zappi idea of creating freedom of choice for schools and supply staff is live.

## STX NEXT DELIVERED

- › A web application for Cover Managers at schools
- › A mobile solution for temp teachers looking for offers
- › An administration platform for the Zappi hub with a database of schools and supply staff
- › One Product Design Team and one Scrum Team available to the client
- › Optimizations of the development process and product requirements
- › Market benchmarking support

## FEATURES

- › Cover Managers can search for and choose the supply teacher who meets their need to fill the gap in the school schedule
- › Starting and ending teacher shifts based on geolocation and a school's geo-fence
- › Automated notifications pushed to teachers about new offers created by the Cover Manager
- › A flow for automated booking of offers by teachers
- › Integrated Google Maps functionality showing school locations
- › Administration panel supporting the teacher clearance process

## TECHNOLOGIES

- › Backend technologies: Django 2.0.4, Python 3.7, GraphQL
- › Frontend technologies: React, React Apollo
- › Mobile technologies: React Native
- › Database: PostgreSQL+PostGIS, Redis
- › Issue tracking system: JIRA
- › Version control system: GitHub
- › Chat/communication: Slack
- › CI tools: CircleCI
- › Deployment: Terraform, Docker, AWS
- › Automated end-to-end tests: Selenium and Appium



*Zappi is a dream come true for both developers and management. The mission of the project touched everyone's hearts, as we all know that a happy teacher is a good teacher. What's more, as programmers we had full freedom of choice of the technology used in the project. We ended up with the brilliant React on the frontend (React Native on mobile) with GraphQL and Apollo, along with the newest Django and Python 3.7 on the backend, coupled with the AWS infrastructure. It's good to be here, it feels great.*

— Aleksandra Czepak, Python Developer @ STX Next



*We have a deep understanding of our industry and users but lacked the technical knowledge necessary to deliver this disruptive platform therefore it was essential we found a partner that could support us in this area. We spent a lot of time researching, meeting and assessing various partners before settling on STX Next. Our experience has been very positive and we are delighted with the work done so far. We hope to have a long and productive partnership with them.*

— Andrew Larholt, CEO @ Zappi



## TRUSTED ALL OVER THE WORLD

Read more about why companies are choosing STX Next to develop and test their digital products. Clutch ranks us among the top Python/Django and top Software Development Firms in 2017.



## TELL US ABOUT YOUR PROJECT

Want to learn more about how we can help? Drop us a line.

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