

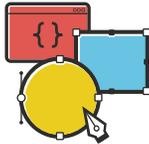
Why We ♥ Elixir

We can build fast apps with less effort, which means delivering them far more rapidly than ever before and saving our clients money every step of the way.

How?



When building a web interface, we reach for Phoenix, a productive web framework written in Elixir that doesn't compromise speed and maintainability.



When scaling a product, we can rely on Phoenix's server-rendered pages (which render out of the box in 30-50 microseconds) instead of building single-page JavaScript apps (rendering around 500-600 milliseconds). That means writing a lot less code while achieving the same outcome.



We can often cut ongoing server costs by using a single instance on Phoenix. One client, for example, spent thousands of dollars per month on 16 app servers in Heroku. We moved them to a single Phoenix instance at \$30-50 per month.

The real-time capability alongside scalability, reliability and flexibility make Elixir a no-brainer for growth-minded Gaslight clients who needed powerful technology to:

- Build a custom web app to service the auto glass industry. With a lot of site traffic, page load times and SEO mattered. Phoenix and Elixir gave them confidence in their reliability and speed, even across time zones.
- Run analytics for the NFL on player statistics—and build a Fantasy Football app in Phoenix. Every game, they have hundreds of analysts entering data simultaneously to sell to teams, feed to ESPN and offer in-app tips to Fantasy Football participants using real-time stats. Elixir can handle it all.
- Develop a side chain to Ethereum in the cryptocurrency market. This open source took leverages not one but three leading Elixir consultancies: Gaslight, Plataformatec (owned by Elixir creator José Valim) and DockYard (with creator of Phoenix Chris McCord). This deeply technological company is clearly banking on the power of Elixir.

- Run real-time auctions for the bunkering industry, which means supplying thousands of metric tons of fuel to ships over the web. Transparency and availability are therefore non-negotiables, along with speed. They couldn't afford to require page-refreshes; their only option was real-time feedback for buyers and suppliers. Through Elixir and Phoenix, they're creating an interactive experience and establishing a thorough audit log so everything is captured and saved as an event, with results visible to every single bidder.

Even clients with established tech who wanted to move more quickly chose Elixir to position themselves for speed and scalability in enterprise and adopt new methodology to rapidly develop apps. [Download the full case study here.](#)

Bonus: Elixir is a great sales tool! When we need to spin up a proof of concept for a client, we can do it really quickly. One of our devs proved our real-time capabilities by building a chat bot. It only took a couple weeks.

Not to mention, it's fun!

- By fostering Elixir in the local community through meetups and other events, there are now seven shops who share our passion for Elixir. We can learn and grow together.
- One of our devs runs an open source project to monitor glucose levels in real-time for those with Type 1 Diabetes. He's also a core member of the [Nerves Project](#).
- We do real-time tracking of NFL stats and our personal vehicles... all while playing online [Texas Hold 'Em](#).

Want to try Elixir on your next software project? Let's talk!
teamgaslight.com/contact

