

FULL-STACK & REACT ESSENTIALS

Syllabus



WHO SHOULD TAKE THIS COURSE?

- Front-end developers who want to catch up on the groundbreaking advancements to the JavaScript world in the last 5 years.
- Native developers who want to create a web presence that supports an app, grows a user base and collects user feedback.
- Backend developers who need to create full-stack web apps.
- Enterprise teams building apps that need to work on any device or screen.
- Students should have a basic understanding of object-oriented or functional programming. Software development experience is necessary, though it does not have to be with JavaScript.

SYLLABUS

Building Responsive, Mobile-Friendly Websites

- Style and lay out an application with HTML and modern CSS.
- Create a responsive web page with Flexbox and Media Queries.
- Respond to user events with JavaScript and the callback pattern.
- Implement visual effects and animation using CSS3 transitions.
- Write JavaScript functions that transform data into UI elements.
- Use jQuery to create and manipulate DOM elements.

Writing Effective JavaScript with Design Patterns and Build Tools

- Create namespaces and objects with Immediately-Invoked Function Expressions.
- Use HTML5 form elements and the Bootstrap framework to create a shopping list page.
- Turn a simple web page into an interactive application with JavaScript.
- Ensure correct input via the Custom Validity API.
- Access remote server data using AJAX.
- Gracefully handle asynchronous data with Promise objects.

Building Real-time Backends with Node.js

- Build a simple HTTP file server.
- Manage module installation and build steps with npm.
- Write a chat server using WebSockets.

Creating Ambitious Progressive Web Apps with React

- Split your interfaces into easily-managed, reusable components using the React framework.
- Utilize JSX to describe how the interfaces should be rendered.
- Persist and synchronize state between components using React's Component class.
- Optimize asynchronous data fetching with component lifecycle methods.

Schedule Your Onsite Training: hello@bignerdranch.com