

Frederick Boyd

Senior Software Engineer

boydfrederick6@gmail.com | (225) 421 0403 | 2450 Reed Drive, Jackson, Louisiana 70748 | <https://frederick-boyd.vercel.app/#>

Summary

Full Stack Developer with 12 years of experience across a broad spectrum of technologies including JavaScript, TypeScript, React, Angular, Vue.js, and Node.js. Expertise in backend frameworks like Laravel and Express.js, alongside solid proficiency in database systems such as MongoDB, MySQL, and PostgreSQL. Versatile in cloud platforms like AWS and Azure, and highly skilled in microservices architecture and containerization using Docker and Kubernetes. Adept in frontend development, implementing scalable UIs with React, Redux, and Tailwind, while also skilled in writing automated tests using Cypress, Jest, and Mocha. Experienced in CI/CD pipelines with Jenkins and Docker, following agile practices, SOLID principles, and leveraging tools like Jira and Trello. Knowledgeable in blockchain technologies such as Solidity, Web3.js, and Truffle, and driven by continuous learning and adapting to evolving industry trends.

Skills

Front-End	HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Redux / React Query, Vue.js, Vuex, Angular, Next.js, Tailwind CSS, Bootstrap, Material UI, SASS / SCSS, LESS, Styled Components, Responsive Web Design, RESTful APIs, GraphQL, Figma
Back-End	Node.js, Express.js, Nest.js, PHP, Laravel, Python, Django, Flask, Java, Spring Boot, C#, ASP.NET Core
Databases	MySQL, PostgreSQL, MongoDB, SQL Server, Oracle DB, Redis, Big Data (Hadoop/Spark)
Testing	Unit Testing, Integrating Testing, E2E, TDD, BDD, Jest, Mocha, Cypress, Selenium, Karma, Jasmine, Junit, UI Testing
DevOps	CI/CD Pipelines, Jenkins, GitLab CI/CD, Docker, Kubernetes, AWS(EC2, S3, RDS, Lambda), Azure DevOps, GCP, Git,
SDLC	Jira, SOLID principles, Scrum, Trello, Waterfall
Cloud	AWS, DigitalOcean
Blockchain	Solidity, Truffle/Hardhat, Web3.js/Ethers.js, IPFS

Education

Purdue University | Bachelor's degree, Computer Science | May 2009 – Mar 2013

Experience

UpContent | Apr 2023 – Present | Cambridge, Maryland, United States

Senior Software Engineer (React, Next.js, Web3.js)

- Developed and maintained a Single Page Application (SPA) using React.js, ensuring smooth navigation between views to optimize user experience during application tasks.
- Implemented debugging and performance monitoring tools like Reactotron, Redux Dev Tools, and Genymotion, resulting in faster issue resolution and improved application stability.
- Led full-stack development of application built with ASP.Net, C# and Web API, integrating modern front-end technologies such as HTML5, CSS3, JavaScript, and Angular 15/16. Focused on design, coding, testing and WCF components for seamless service-oriented architecture.
- AWS Cloud Infrastructure expertise, managing services like EC2, S3, Route 53, and CloudWatch, along with AWS WorkMail for secure communication and enhanced infrastructure performance.
- Integrated Axios for handling AJAX requests in React Native, improving app responsiveness and backend communication.
- Utilized Node Package Manager (NPM) to install and manage development dependencies like angular-cli and TypeScript, ensuring the seamless setup of the Angular environment within Node.js applications.
- Collaborated on AWS integration to streamline server-side and client-side code interactions, improving the deployment pipeline and overall application efficiency.

AHEAD | Sep 2019 – Mar 2023 | New York, United States

Senior Software Engineer

- Developing Single Page Application using HTML5, CSS3, Tailwind CSS, React.js, Next.js, GraphQL, Express.js, Node.js, Socket, LESS.
- Developed an internal application using React.js, Next.js, Express, and Node.js for Relationship Managers.

- Developing functional solutions in exchanging sensitive health records implementing Blockchain.

WIPO | Feb 2018– Aug 2019 | United States

Senior Software Engineer

- Engineered e-commerce platform with seamless checkout and multi-vendor capabilities.
- Applied Oriented Programming techniques to track UI components being added to DOM and to change the behavior of framework methods.
- Maintaining newly developed and legacy systems mission-critical external web app applying knowledge of AWS, Apigee, Camunda and Jenkins
- Used High-Order Component to improve component reusability.
- Created and injected Spring services, Spring controllers, and DAOs to achieve dependency injection and to wire objects of business classes.

HCL | Jan 2017 – Dec 2017 | New York, United States

Senior Full Stack Developer

- Testing the functionality of the software (FT) and Regression Testing, Integrated Testing, System Testing.
- Used Babel to compile JSX, ES6 and follow JSHint standard for high code quality.
- Implemented Snapshot testing using Jest for React project along with Enzyme test utilities.
- Used High charts and D3.js for creating Graphs and implemented the filtering functionality for the graphs.
- Created dashboard and utilized D3.js for interactive data visualization.
- Worked in Agile Methodologies for incremental development to deliver better application.
- Responsible for front end development using React, Mobx, CSS, Ant design and various node modules.

Immense Networks | May 2014– Oct 2016 | Cambridge, Maryland, United States

Full Stack Developer

- Developed websites for several kinds of industries by using MERN, MEAN, MEVN stack.
- Experience in using solidity, web3, metamask, truffle, geth, Ethereum smart contracts.
- Developed/Design the application using WAMP (Windows, Apache, MySQL5, and PHP) architecture using Laravel Framework.
- Focused on improving responsibility and problem-solving skills cooperating with project managers.
- Integrating with third-party services and external APIs as a part of implementation of the high-profile customers-facing portal adopting an improved way of reports producing amongst different solutions and mitigating the code duplicity by 60%

Immense Networks | Oct 2013 – Apr 2014 | Baton Rouge, Louisiana

Web Developer (Internship)

- Reviewing the quality of code for the high-volume internal web application resulting in code readability increase and performance improvements