Luke Ford

Senior Software Engineer

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🪪 PROFILE

With a decade of experience as a senior software engineer, I specialize in developing responsive web interfaces, cross-platform mobile applications, and backend systems. My expertise includes optimizing performance and a deep knowledge of JavaScript frameworks like React.js, React Native, Node.js, Vue.js and Angular.js. I have a proven track record of leading projects from inception to delivery with an Agile mindset.

💼 PROFESSIONAL EXPERIENCE

Senior Software Engineer   06/2021 – present | Bentonville, AR
Walmart

- Developed and maintained the Grocery web & mobile responsive applications utilizing **React.js, Next.js, React Native, TypeScript, iOS, Android, React-Redux, React-Hook, React-Context, WebSocket, Apollo, and Tailwind CSS**.
- Integrated third-party APIs like **Stripe, Plaid, Google Map, Mixpanel, Firebase Cloud Function** to enhance overall application functionality and improve user experience, enabling seamless payment processing, location services, and analytics tracking.
- Developed and deployed a **Node.js and Express.js** project with **MongoDB** for backend systems, integrating **GraphQL** to facilitate seamless communication between web and mobile frontends.
- Conducted extensive Unit and E2E testing using **Jest, Cypress, and Selenium**, reducing post-deployment bugs by 20% and enhancing application reliability.
- Actively participated in team meetings by providing valuable input and updates on project deadlines, designs, and enhancements.
- Utilized **Agile methodology** to estimate work hours and efficiently track project progress.

Senior Full Stack Engineer   11/2017 – 05/2021 | Seattle, WA
Amazon

- Led the development of key features for the Amazon e-commerce platform using **React, React-Redux, and TypeScript**, resulting in a 20% increase in user engagement and faster load times.
- Deployed backend RESTful APIs on a serverless platform using **Node.js, AWS Lambda + API Gateway, S3, DynamoDB and Cloud Front** to enhance scalability and performance.
- Transitioned RESTful / Class-based components to functional components using **Typescript, React-Hooks, GraphQL, and Redux-Saga** for improved performance and better reusability.
- Incorporated **Contentful + i18next**, providing localized shopping experiences for non-English speaking customers in over 20 countries.
- Resolved software issues by utilizing logging tools like **Kibana**, enhancing application reliability and performance.
- Provided mentorship to two junior engineers, guiding them in developing complex software solutions and offering technical expertise and code reviews.

Software Engineer   01/2015 – 09/2017 | Austin, TX
Amie Health

- Developed both healthcare mobile & web app and backend systems from inception to deployment, employing **React Native, Expo, Vue.js, Node.js, Android, Firebase / GCP, JavaScript(ES6/7)**.
- Enhanced software reliability by establishing an automated testing framework with **Jest and Cypress**, resulting in a 50% decrease in production bugs.

- Stayed updated with the latest trends and best practices in frontend & backend development.
- Contributed to optimizing the development workflow through the integration of version control systems like **Git and GitHub**.
- Collaborated closely with designers to transform mockups and wireframes into functional mobile components.

Software Engineer Intern   03/2014 − 08/2014 | Houghton, MI
Tendy
- Developed and maintained the Payment workflow process for a financial company, utilizing **Angular, HTML, CSS, jQuery, and Bootstrap**.
- Demonstrated strong problem-solving skills by troubleshooting complex technical issues such as **Dynamic Link** implementation, **Stripe, and Plaid SDK** integration.

🧠 SKILLS

- React.js / React Native
- React-Redux / React-Hook / React-Context
- Objective-C / Swift
- Java / Spring Boot
- Firebase / AWS / GCP
- Circle, Bitrise CI/CD

- Node.js / Express.js / Hapi.js
- GraphQL / Apollo
- Ruby on Rails
- Vue.js
- Tailwind CSS / Material UI / Bootstrap
- JavaScript / TypeScript

- Next.js / Gatsby.js
- Java / Kotlin
- Angular.js
- Python / Django
- Jest / Mocha / Enzyme
- HTML5 / CSS / SCSS

🎓 EDUCATION

Michigan Technological University   04/2010 − 02/2014 | Hougton, MI
Bachelor's Degree in Computer Software Engineering