



Joshua Waalkes

Software Engineer

Dedicated Software Engineer with a passion for crafting efficient and elegant solutions. Proven expertise in full stack development with React.js, Spring-boot, and SQL. Committed to delivering high-quality code and fostering collaborative team environments.

Experience

Wells Fargo

Jan 2023 - Present

Full Stack Software Engineer

Frontend Software Engineer

- Implemented conditional rendering, auto-complete input field, and type-checked reducer state, resulting in a more responsive and user-friendly interface
- Optimized UI load times by 18% using code splitting configuration in Webpack and React's lazy loading for imported components.
- Created a Change History screen allowing users to track Record Approvals, Investments, and Bank Exposure with the ability to export to CSV.
- Utilized Wells Fargo's custom CSS and React component libraries to maintain consistency for users across the enterprise.

Backend Software Engineer

- Converted batch scripts from Bash to Powershell to support application cloud migration to Windows containers hosted on PCF as part of infrastructure modernization.
- Authored regression tests for several controllers using the Karate framework and Junit, automating end-to-end testing of critical API services.
- Developed an Java API to return a paginated list of insurance policies for a given customer, with 95% test coverage, saving the business \$43,000 annually.
- Modified the SQL query for an existing API to remain compliant with federal customer privacy regulations by providing a data masking flag for the UI.
- Engineered a Spring Boot API for variable asset-fee taxation by implementing a "best match" algorithm to determine taxability with average response time of 130ms.
- Coordinated across the Equipment Finance ecosystem to perform resiliency exercises in tandem with more tightly coupled applications

Contact

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<https://waalkesjoshua.github.io/MyPortfolio>

<https://www.linkedin.com/in/joshua-waalkes>

Education

Advanced Software Engineering

Hack Reactor 2022

Tech

- Javascript, Typescript, React, Redux, CSS3/Sass, HTML5, Thymeleaf
- Node, Express, Java, Springboot, SQL, REST, Hibernate, MyBatis
- Jest, React Testing Library, Cucumber, Junit, Karate
- Git, Webpack, Babel, Jira, CICD, Jenkins,

Certifications

Microsoft Azure Fundamentals

Portfolio Highlights

<https://waalkesjoshua.github.io/MyPortfolio>

- Managed client-side routing using React-Router for a seamless user-experience while navigating the application
- Optimized browser performance by 23% by implementing Lazy-loading and code splitting to reduce bundle size
- Implemented a seamless light/dark mode feature, using React Contexts and CSS variables, to enhance UI accessibility
- Engineered custom React components utilizing CSS/SCSS to demonstrate proficiency in front-end web development