

Alex Williamson

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WORK EXPERIENCE

FedEx Services

Remote

Full Stack Developer I

February 2022– Present

- Led development for two full-stack applications leveraging modern frameworks and libraries such as **Spring Boot**, **React**, and **Angular**
- Developed search feature for incident reporting app allowing users to easily find past entries and build custom reports utilizing dynamic **Spring Data JPA** queries and pagination to increase query efficiency
- Drastically improved developer experience by optimizing **CSS** package usage, reducing compile time by **300%**, and overall **CSS/SCSS** file size by **75%**
- Designed a centralized web page and standardized email template for crises at FedEx using **Angular**, enabling authorized users to update and distribute critical information efficiently
- Developed a dynamic spreadsheet interface allowing real-time updates and archiving, which served as a daily status report sent to directors during high-volume shipping periods, ensuring timely and accurate information dissemination
- Integrated **Nexus IQ**, **Sonarqube**, and **Fortify** scans into the **Jenkins** pipeline, automating security testing and static code analysis ensuring code compliance with FedEx open source standards
- Utilized agile methodologies with an emphasis on **test-driven development** (TDD) elevating code quality and fortifying the robustness of the software
- Implemented extensive test suites for backend systems, utilizing **JUnit** and **Mockito** for unit, integration, and end-to-end testing, which were run during the **deployment pipeline** to ensure application stability

SKILLS, TECHNOLOGIES, & INTERESTS

Programming Languages: Java, Typescript, Javascript, HTML, CSS, Kotlin, Python

Frameworks and Libraries: Spring Boot, React, Angular, JUnit, Mockito, NumPy

Technologies: Git, Jenkins, GitHub, GitLab, Gradle, Insomnia, Postman

Databases: OracleSQL, PostgreSQL, MySQL

Interests: Backpacking, Guitar, Ultimate Frisbee, Disc Golf, Chess, Piano, Baking

PROJECTS

Budgeting Application

React, Spring Boot, Docker, AWS, TailwindCSS

- Developed budgeting application compatible with both desktop and mobile browsers
- Implemented user authentication via **Spring Security** and **Auth0**, using the **BFF** pattern

EDUCATION

The University of Georgia

Athens, Georgia

Bachelor of Science in Biochemical Engineering

Bachelor of Arts in German

Georgia Institute of Technology

Atlanta, Georgia

Master of Science in Computer Science

Expected Fall 2026