Alex Williamson

678-548-3018 | arthurwilliamson96@gmail.com

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
- 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
Technologies: Git, Jenkins, GitHub, GitLab, Gradle, Insomnia, Postman
Database: 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
- Deployed application using **microservice** architecture on **AWS** allowing individual services to automatically scale to the number of active users
- Implemented **JWT** (JSON Web Tokens) for user authentication using **Spring Security**

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*