LEEYA DAVIS

SOFTWARE ENGINEER

New York City | leeya463@gmail.com | leeyadavis.dev | Github | LinkedIn

HIGHLIGHTS

- Software engineer with experience in building scalable and maintainable applications in the tech industry, who has built an open-source, auto-scaling WebSocket service and is a new Firefox community contributor.
- Knowledgeable of software design concepts, such as data modeling, designing APIs, and software testing. Skilled in the Ruby and JavaScript ecosystems, React, and SQL/NoSQL databases.

RELEVANT EXPERIENCE

Open-Source Developer (Community Contributor) **04/24 - Present**

Mozilla

- Executed engineering tasks, such as refactoring, debugging, and testing in the Firefox codebase.
- Refactored inline event handlers into event listeners, adhering to the principle of separation of concerns, thereby improving maintainability and scalability.
- Rewrote consumers to use newly relocated functionality, enabling its use from child processes.
- Mentored new contributors by providing guidance and support and sharing vital resources, enhancing their skills and confidence.

Software Engineer (Volunteer) **01/24 - Present**

noWahala, *A platform for planning and curating events, from spaces to services, all in one place*

- Conducted engineering tasks, such as feature development, debugging, refactoring, and testing.
- Developed and tested Cloud Firestore security rules, improving database integrity and platform reliability.
- Implemented client-side validation, which helped increase data integrity, reduce unnecessary server load, and improve the user experience via immediate feedback.

Software Engineer (Co-Creator of Twine) **08/23 - 12/23**

An open-source, auto-scaling WebSocket service with connection state recovery

- Guided by project requirements/constraints, built a dynamic and easy-to-use client API, allowing developers to add real-time application functionality.
- Implemented connection state recovery functionality to mitigate data loss during a dropped connection, improving the user experience and Twine's reliability.
- Integrated AWS DynamoDB as a database solution, facilitating data exchange during long-term state recovery, thus improving Twine's scalability.
- Optimized database API, reducing the number of read capacity units used during long-term state recovery, minimizing a potential performance bottleneck, and increasing Twine's scalability.
- Co-authored a technical case study providing an in-depth analysis of Twine's problem domain, system design, and engineering decisions (https://twine-realtime.github.io/case-study).

VARIOUS ROLES IN CIVIL SERVICE **06/12 - 07/14, 11/16 - 07/22**

Agencies included: Human Resources Administration, Department of Health and Mental Hygiene

Data Processing Coordinator (12/19 - 07/22), Eligibility Verification Specialist (07/17 - 12/19), Medicaid Eligibility Team Supervisor (06/12 - 07/17)

EDUCATION

LAUNCH SCHOOL **2021 - 2023**

Multi-year full-stack software engineering curriculum emphasizing mastery of core skills and programming fundamentals.