LEEYA DAVIS

SOFTWARE ENGINEER

New York City | leeya463@gmail.com | leeyadavis.dev | [Github](https://github.com) | [LinkedIn](https://linkedin.com)

HIGHLIGHTS

- Software engineer with experience in designing, building, and maintaining applications who has built an open-source, auto-scaling WebSocket service and is a known and trusted Firefox 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 (Firefox Contributor)   **04/24 - Present**

Mozilla

- Refactoring, debugging, and testing in the Firefox codebase.
- Granted commit access to Mozilla repositories, which requires being a known and trusted Firefox contributor.
- Refactored inline event listeners, adhering to the principle of separation of concerns, thereby improving maintainability and scalability.
- Mentored new contributors by providing guidance and support and sharing vital resources, enhancing their skills and confidence.

Software Engineer (Volunteer)   **01/24 - 03/24**

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

- Database enhancements, debugging, refactoring, and testing.
- Developed and tested Cloud Firestore security rules, improving database integrity and platform reliability.
- Provided support to new contributors through onboarding and peer programming.

Software Engineer (Co-Creator of [Twine](#))   **08/23 - 01/24**

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 reliability and the user experience.
- Integrated AWS DynamoDB as a database solution, which facilitated data exchange during long-term state recovery, improving scalability.
- Optimized database API, which reduced read capacity units used during long-term state recovery, minimizing a potential performance bottleneck, and increasing scalability.
- Integrated a Redis Adaptor, which enabled data exchange between multiple servers, resolving synchronization issues that hindered scalability.
- 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 - 12/19**

NYC Human Resources Administration and 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)

JavaScript | Node.js | Next.js | React | TypeScript | Ruby | Express | SQL | PostgreSQL | MongoDB
HTML/CSS | HTTP | WebSockets | REST APIs | Cloud Firestore | Git/Github | Mercurial | VS Code | Docker
AWS (DynamoDB, Elasticache for Redis, EC2, ALB, ELB, IAM, S3, CloudFormation)