Leeya Davis

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SKILLS

Back End
Node.js, Ruby, Express, SQL, PostgreSQL, MongoDB, REST APIs, TypeScript

Front End
JavaScript, React, HTML/CSS, TypeScript, Handlebars, Sinatra

Misc. Technologies
Git/Github, VS Code, Docker, HTTP, WebSockets, Jest, Nginx, Redis, Webhooks, Postman, Mongoose, Bash

Cloud
AWS (DynamoDB, Elasticache for Redis, EC2, ALB, ELB, CloudFormation, IAM, S3), Firestore, DigitalOcean droplets, Heroku, Fly.io

EXPERIENCE

Software Engineer, *Volunteer* 01/2024 – present | New York City

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

- Developed and tested Cloud Firestore security rules, which improved database integrity and platform reliability
- Implemented client-side validation, which helped increase database integrity, reduce unnecessary server load and improve the user experience
- Improved cluttered application code by applying the Single Responsibility Principal, resulting in code that was easier to read, dynamic, and easier to integrate when adding new features.

Software Engineer & Co-Creator, *Twine* 08/2023 – 12/2023 | Remote

An open-source, auto-scaling WebSocket service that provides connection state recovery.

- 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 and improving Twine's scalability.
- Improved database API by reducing RCUs used during connection state recovery, which removed a performance bottleneck and increased Twine's scalability
- Integrated a Redis Adaptor that enabled data exchange between multiple servers, which resolved our synchronization issues and improved Twine's scalability
- Guided by project requirements/constraints, built a dynamic and easy-to-use client API, allowing client applications to provide real-time functionality to their end users
- Collaborated remotely with an international team of four engineers across three time zones, employing agile methodologies and practices such as sprints, code reviews, and pair programming
- 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**)

Software Engineer, *Various open-source projects* 06/2021 – 08/2023

- Request Inspect - Tool for viewing/debugging webhooks, built using React, Express.js, MongoDB, Nginx, and WebSocket servers
- Todo Tracker - A database-backed, single-page app, built using Ruby, PostgreSQL, and Sinatra

EDUCATION

Launch School, *https://launchschool.com/employers* 06/2021 – 08/2023

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