Leeya Davis

New York City ✉ leeya463@gmail.com ✦ leeyadavis.dev ⬡ LeeyaD

I am a software engineer with multiple years of experience with Ruby, JavaScript, various front-end & back-end frameworks, and other technologies. I recently created Twine ⌘ , an open-source Real-time as a Service solution.

💼 EXPERIENCE

Software Engineer, *Twine* ⌘   08/2023 – present | Remote

Twine is a scalable drop-in Real-time as a Service that provides connection state recovery

- Designed and implemented logic governing connection state recovery using token authentication
- Enabled long-term state recovery by implementing a long-term storage solution (**AWS DynamoDB**)
- Implemented short-term state recovery by introducing a write-through caching strategy (**AWS Elasticache for Redis**)
- Improved long-term state recovery by engineering a more performant database query (**DynamoDB**)
- Resolved synchronization issues when scaling Twine by implementing Redis Adaptor logic (**Redis**)
- Streamlined the process of purging outdated data from Redis through automation (**cron**)
- Facilitated communication between the developer's application and Twine by writing client and server-side libraries that manage user WebSocket connections and the publish-subscribe messaging mechanism Twine employs (**Socket.IO, Node.js, TypeScript, Redis, AWS DynamoDB**)
- Automated deployment of Twine and its provisioned AWS cloud infrastructure by assisting in the design of the CLI tool leveraging AWS CloudFormation (**AWS CloudFormation, Elastic Beanstalk, EC2, Application Load Balancer, IAM**)
- 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
- 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, *Self-Employed*   07/2022 – present | New York City

- Request Inspect - Tool for viewing/debugging webhooks (**WebSocket server, Nginx, MongoDB, Express, React**).
- noWahala - Nigerian for "No worries." It's a platform for curating event spaces and services (**TypeScript, Next.js, React, Firebase**).

Data Processing Coordinator, *NYC Department of Health*   12/2019 – 07/2022

- Received, processed, and tracked monthly report components from Opioid Overdose Prevention Programs (OOPPs)
- Resolved discrepancies and/or non-reporting issues by collaborating with OOPPs and team members
- Supported data entry and data management of monthly report components

English Teacher, *Teach and Learn in Korea (TaLK)*   07/2014 – 07/2016 | Gimje, South Korea

- Built rapport with school staff by drawing on my ability to adapt and being mindful of cultural differences
- Improved the English & cultural awareness of disadvantaged students in the countryside through engaging lesson plans

🧠 SKILLS

Primary   ● ● ● ● ●
JavaScript, Ruby, SQL/PostgreSQL

Advanced   ● ● ● ● ○
Node.js, React, Express, MongoDB, REST APIs, WebSockets, HTML, VS Code, Git/Github, HTTP, Bash

Intermediate   ● ● ● ○ ○
TypeScript, Docker, CSS, Postman, Webhooks, AWS (DynamoDB, Elasticache for Redis, EC2), Jest, Redis, DigitalOcean (droplets), Handlebars, Sinatra

Functional/Basic   ● ● ○ ○ ○
Go, Firebase, Nginx, Heroku, Fly.io, AWS (ELB, CloudFormation, IAM, S3)

🎓 EDUCATION

Launch School, *https://launchschool.com/employers* ⌘   06/2021 – 08/2023
A multi-year, mastery-based software engineering curriculum.

A.O.S, Occupational Studies, *Swedish Institute College of Health Sciences*   09/2005 – 12/2006