

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- Streamlined the process of purging outdated data from Redis through automation (**cron**)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 a Node SDK package that manages 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**).

Various positions held throughout 10+ years in Civil Service, 12/2009 – 07/2022 | New York City

Human Resources Administration | Department of Health and Mental Hygiene

As a team member and supervisor, I developed and honed my tactfulness and improved my ability to adapt, manage my time, think critically, problem-solve, and collaborate well.

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

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

Back End

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

Cloud

MongoDB Atlas, AWS (DynamoDB, ElastiCache for Redis, EC2, ALB, ELB, CloudFormation, IAM, S3), DigitalOcean droplets, Heroku, Fly.io

🎓 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