Leeya Davis Software Engineer

New York City   in Leeya Davis   leeyadavis.dev   ✉ leeya463@gmail.com

I am a software engineer with multiple years of experience with Ruby, Javascript, various front-end and back-end frameworks, and other technologies. I am a co-creator of Twine ⊘ , an open-source solution for managing WebSockets at scale with connection state recovery.

💼 EXPERIENCE

Co-Creator, Software Engineer, *Twine*   08/2023 – present │ Remote
https://twine-realtime.github.io/ ⊘
Twine is a scalable drop-in Real-time as a Service that abstracts away the complexity of real-time communication and provides connection state recovery
- Prototyped and built Twine using TypeScript, Socket.IO, and Amazon Web Services (DynamoDB, Elasticache for Redis, EC2, ALB, ELB, CloudFront, S3)
- Drafted solution architecture and initial workflow diagrams
- Designed and implemented short and long-term storage strategies that facilitate connection state recovery
- Improved long-term state recovery by engineering a more performant database query
- Resolved synchronization issues when scaling Twine by implementing Redis Adaptor logic
- Streamlined the process of purging outdated data from Redis through automation (via cron jobs)
- Designed and built Twine's object-oriented client and server libraries; published as NPM packages
- Assisted in the design of the CLI tool that – using AWS CloudFormation – automates the deployment of Twine and its provisioned AWS cloud infrastructure (Elastic Beanstalk Environment, EC2 instances, Application Load Balancer, IAM roles)
- Collaborated remotely with an international team of four engineers across three time zones
- 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/#four)

Software Engineer, *Self-Employed*   07/2022 – 08/2023 │ Remote
- Request Inspect - Tool for viewing/debugging webhooks (WebSocket server, Nginx, MongoDB, Express, React).
- Contact Manager - Tool for managing contacts, incl. dynamic filtering (DO Droplets, Nginx, MongoDB, Express, React).
- Todo Tracker - A DB-backed, single-page app for managing todos (Ruby, PostgreSQL, Sinatra, ERB).

Data Processing Coordinator, *NYC Department of Health*   12/2019 – 07/2022 │ New York City
- Coordinated with Opioid Overdose Prevention Programs (OOPPs) to receive, process, and track all monthly report components, resolving any issues encountered
- Supported data entry and data management of all monthly report components

🧠 SKILLS

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

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

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

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

🎓 EDUCATION

Launch School, *https://launchschool.com/employers* ⊘   08/2019 – 08/2023
Launch School is a multi-year, mastery-based software engineering curriculum. Progression is assessment-driven via 3-4 hours long written exams and live coding interviews aimed at developing problem-solving skills.

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