

# Leeya Davis Software Engineer

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

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 [🔗](https://twine-realtime.github.io/), 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- Streamlined the process of purging outdated data from Redis through automation (via cron jobs)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

### Eligibility Verification Specialist, NYC Human Resources Administration

06/2017 – 12/2018 | New York City

Maximized revenue generation for both NYC & outside Agencies by ensuring payments were categorically eligible for their respective funding streams

## SKILLS

---

### Front End

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

### Misc. Technologies

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

### Back End

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

### 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, Swedish Institute College of Health Sciences

09/2005 – 12/2006 | New York