

# 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

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### 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
- Participated in the design and implementation of 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
- 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**, a Request Bin clone for viewing webhooks built with Node.js, MongoDB, Express, React, Nginx, WebSockets, Ngrok
- **Contact Manager** with dynamic filtering built with Node.js, MongoDB, Express, React, Nginx, DO droplet
- **Todo Tracker**, a single page application for managing todos built with Ruby, PostgreSQL, Sinatra, ERB, Heroku

### Data Processing Coordinator, NYC Department of Health

12/2019 – 07/2022 | New York City

- Coordinated with Opioid Overdose Prevention Programs to ensure timely and accurate report submission.
- Coordinated with unit staff to ensure efficient processing of 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

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### 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

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### Launch School, <https://launchschool.com/employers> [🔗](#)

08/2019 – 08/2023

Multi-year, mastery-based software engineering curriculum, with assessment-driven progression in the form of 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