Morgan Davis *Software Engineer*

✉ morgansumdavis@gmail.com   📍 Harrisburg, PA

🔗 morgansummerdavis.com   ⭘ Morgan-Summer-Davis

PROFILE

I'm a software engineer proficient in a variety of technologies, including Ruby and TypeScript. I'm based in Harrisburg, PA and seeking opportunities locally, in Philadelphia, PA, or in New York, NY. In my free time, I enjoy rock climbing and printmaking.

EXPERIENCE

Creator, Software Engineer, *Reverb* 🔗   2024

Reverb is an open-source, event-driven, asynchronous workflow engine that abstracts away the logic and infrastructure developers need to orchestrate complex background tasks.

- Developed a micro-service architecture hosted on AWS for ingesting events, mapping events to workflows, and executing these workflows **(AWS ECS, EC2, Fargate, Lambda, RDS, RDS Proxy)**
- Implemented a wrapper around CDK core methods, reducing an 152 step AWS deployment to one command
- Configured a relational database to serve as a durable task queue for asynchronous handling of events and tasks **(PostgreSQL, Graphile Worker)**
- Wrote a TypeScript SDK enabling developers to define workflows as step functions and expose them to remote procedure calls
- Published production-ready, CJS and ESM format-compatible NPM packages
- Containerized the application code for deployment in multiple environments **(DockerHub Images, Docker Compose)**
- Implemented and configured storage of structured logs for monitoring workflow state **(Winston, MongoDB)**
- Built Reverb's UI dashboard, enabling accessible monitoring of event logs **(React)**
- Authored a technical case-study on Reverb's implementation, architecture, and development challenges 🔗

Software Engineer, *Open-Source Projects*   2021 – 2024

Developed various personal, open-source web applications.

- HTTP Hoarder: A tool for inspecting webhooks and HTTP requests **(Node.js, Express, React, MongoDB, WebSockets, Digital Ocean Droplet, Nginx)**
- Pantry Pal - A Single Page Application for recording recipes and managing ingredient stock **(Ruby, Sinatra, ERB, SQL)**

Illustrator, *Freelance*   2017 – 2021

- Worked with dozens of clients on per-contract basis, integrating rapidly into existing small teams and design philosophies for visual design projects

SKILLS

Programming Languages
JavaScript, TypeScript, Ruby, Golang, SQL, HTML/CSS

Other
Object Oriented Programming, REST API, Adobe Design Suite (Photoshop, Illustrator, InDesign)

Libraries, Frameworks, and Other Tools
Node.js, Express, React, Sinatra, JQuery, Git, GitHub, PostgreSQL, MongoDB, Bash, Linux, Docker, Graphile Worker, Nginx, Jest, MiniTest, Postman

Cloud
DigitalOcean, Heroku, AWS (EC2, ECS, Fargate, Lambda, RDS, IAM, VPC, API Gateway, NAT Gateway, Secrets Manager)

EDUCATION

Bachelor of Fine Arts in Studio Art, *Messiah University*   2013 – 2017