Matthew Malane

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Profile

I'm a full-stack Software Engineer based in Orange County, California. I have experience in JavaScript and Ruby ecosystems and most recently built Nexus, an open source tool that generates a GraphQL API and deploys it to AWS.

Experience

Software Engineer & Co-Creator,   2022
Nexus, https://nexus-graphql.github.io/ ⧉

An open-source tool that generates a GraphQL API from multiple data sources and deploys to AWS cloud infrastructure, abstracting away dozens of manual steps for fast setup.
- Led the development of a command line interface to automate GraphQL server generation, drastically reducing manual configuration (Node.js, Inquirer, Commander)
- Created a dashboard for API customization, testing, and deployment monitoring with a re-deployment notification system, hot-reloading local test server, and advanced data source configuration via GUI (React, Express, TailwindCSS)
- Resolved multi-source over-fetching and N+1 performance issues with dynamically generated custom GraphQL schema extensions and resolvers (GraphQL Mesh, YAML)
- Containerized server code for deployment to AWS cloud infrastructure and automated AWS deployment and teardown (Docker, AWS CLI, Terraform, ECR, ECS Fargate)
- Authored technical case study and led a presentation about the application to a group of 50+ attendees. Read the case study and watch the presentation: nexus-graphql.github.io ⧉

Additional Projects, *Launch School*   2020 – 2022
- RequestCloud - A web application for receiving and debugging webhooks. (Node.js/Express, React, MongoDB, PostgreSQL, Digital Ocean Droplet)
- Airline Routes - Interactive Map for viewing and filtering airline routes. (React)
- TaskMate - Todolist tracker (Ruby, Sinatra, PostgreSQL, ERB, Heroku)

Groundman, *International Line Builders*   2019 – 2020

Routine maintenance of power lines, emergency restoration work, and the rebuilding of an electrical grid.

EMT-Basic, *Care Ambulance*   2016 – 2018

EMT/ambulance driver across Los Angeles and Orange County in a 911 system.

Skills

Backend	Frontend	Other
Node.js, Express, Ruby, Golang, SQL, PostgreSQL, GraphQL, Sinatra	JavaScript, React, HTML, CSS, jQuery, Handlebars	Git, GitHub, Docker, Terraform, DigitalOcean (VPS), AWS (EC2, Fargate, ECS, ECR)

Education

Launch School, *Software Engineering & Full-Stack Web Development*
- Mastery based education program focused on the fundamentals of software engineering.