Joshua A. Leath

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PROFILE

I am a software engineer with multiple years of experience with JavaScript, Ruby, Go and various frameworks. I am a co-creator of Chimera 🔗 , an open-source tool for automating canary deployments of containerized microservices.

SKILLS

Languages
JavaScript, Ruby, Go

Frameworks
Node, Express, React/Redux, Sinatra

Cloud
AWS (Lambda, S3, ECR, ECS, VPC, App Mesh, CloudWatch, SDK, CDK, CloudFormation), Heroku, DigitalOcean

Other Technologies
PostgreSQL, MongoDB, Linux, HTTP, REST APIs, Git/GitHub, Docker, HTML/CSS, NGINX

EXPERIENCE

2022 – present

Co-creator, Software Engineer, *Chimera - chimera-deploy.dev* 🔗
- Researched, designed, prototyped and implemented Chimera, a tool for performing automated canary deployments of microservices hosted on AWS Elastic Container Service using AWS App Mesh for inter-service communication
- Utilized AWS CloudWatch and Prometheus to monitor metrics related to deployment
- Designed and implemented an Express backend that can be used to create and configure AWS resources
- Utilized server-sent events to pass live updates and metrics to a user interface
- Designed and implemented a locally-hosted React/Redux frontend to configure and begin deployments
- Presented a live tech-talk about Chimera
- Authored a comprehensive technical case study

2020 – 2022

Full-Stack Web Developer, *Self-employed*
- Developed open-source software using Node.js, Express, Sinatra, PostgreSQL, React/Redux, vanilla JavaScript, HTML, and CSS
- Meridian - a deep space object tracker built with React, PostgreSQL, MongoDB and deployed on a DigitalOcean Droplet
- Chip8-js - a chip-8 interpreter for the browser built with JavaScript. Includes a debugger with a memory inspector, breakpoints and a code disassembler
- SchemeEdit - a browser based editor for the Scheme programming language built with JavaScript
- Requesto - Webhook and HTTP request visualizer for viewing and debugging network communication built using Node, PostgreSQL, and MongoDB

2017 – 2020

Reports Specialist, *Charter Communications*
- Received the Charter Gold award in 2019, an annual recognition of the top performers across the organization

EDUCATION

2020 – 2022

Launch School
Multi-year, full-stack software engineering curriculum emphasizing mastery of programming fundamentals and problem-solving

2015

BS in Computer Information Technology, *Southern New Hampshire University*