William Rossen

📍 Boston, MA, USA   ✉ wor101@gmail.com   ↖ https://willrossen.com   🔘 wor101

Profile

I am a full-stack Software Engineer currently based in Boston, MA. Most recently, I co-created Chimera, an open-source tool for automating canary deployments of containerized microservices. I am experienced in JavaScript, Ruby, Node.js, React, PostgreSQL, Docker, and a variety of AWS services.

Professional Experience

Co-Creator, Software Engineer, *Chimera* ⧉   2022 – present

Designed, prototyped and implemented Chimera (https://chimera-deploy.dev), an open-source tool for performing automated canary deployments of containerized microservices.

- Led implementation of AWS SDK to automate creation and teardown of multiple AWS services
- Implemented an Express backend to query and coordinate custom AWS resources
- Created multiple containerized microservices communicating via a service mesh for development testing
- Utilized AWS CloudWatch and Prometheus to monitor metrics related to deployment
- Automated failed deployment rollback process based off of production metrics
- Configured server-sent events stream for sending time-based metrics data and status to user interface
- Dockerized Chimera for simple execution in both local and remote environments
- Presented a live tech talk on Chimera's development and usage
- Designed detailed infrastructure diagrams and co-authored a comprehensive case study explaining how Chimera works and can be used

Full-Stack Web Developer, *Self-Employed*   2020 – 2022

- Requestotron: A Requestbin-like app for debugging HTTP requests
  - DigitalOcean VPS Hosted, NGINX reverse proxy, Node.js, Express, PostgreSQL
- Mello: A Trello-like app for task management
  - Node.js, React, Redux, MongoDB
- CoreSpace: A game aid for the tabletop miniatures game
  - Ruby, Sinatra, Minitest
- NPC Tracker: An app for tracking character interactions in RPGs
  - Ruby, Sinatra, PostgreSQL, BCrypt

Account Services Specialist, *Ceva Logistics*   2010 – 2021

- Developed strong relationships with key customer contacts, serving as the primary point of contact for customer support, account management matters and improvement opportunities

Skills

Languages	**Frameworks**	**Technologies**	**Cloud**
JavaScript, Ruby, Go, SQL, HTML, CSS	Node.js, React, Redux, Express, Sinatra, jQuery, Tailwind	Git, Github, Linux, HTTP, NGINX, RESTful API, PostgreSQL, MongoDB	EC2, ECS, ECR, App Mesh, Fargate, S3, CloudWatch, DigitalOcean, Heroku

Education

Launch School, *Software Engineering*   2020 – 2022

A multi-year, full-stack software engineering curriculum focused on mastery-based learning.

Penn State, *BS in Criminal Justice*   2001 – 2005