Trevor Kelly

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Profile

I am a software engineer with multiple years of experience in JavaScript, Ruby, Go, and multiple frameworks. I am a co-creator of Chimera ⌕ , which automates canary deployments for containerized microservices that communicate via a service mesh on AWS.

Experience

Co-Creator, Software Engineer, *Chimera - https://chimera-deploy.dev* ⌕ 2022 – present
Remote
- Researched, designed, prototyped, and implemented Chimera, an open-source tool for performing automated canary deployments of containerized microservices
- Automated a deployment process that involves manipulating multiple AWS services concurrently
- Configured CloudWatch and Prometheus to monitor metrics from a newly released microservice
- Automated the rollback process based off of production metrics data
- Utilized AWS's Software Development Kit to interact with and manipulate cloud infrastructure
- Created server-sent events stream to pass live updates and metrics data charts to a React front end
- Built a containerized microservice production infrastructure on AWS for development testing
- Designed workflow and infrastructure diagrams
- Collaborated with a remote team spread across four different cities
- Authored a comprehensive technical case study documenting design decisions
- Presented a live tech talk describing the project

Software Engineer, *Self-Employed* 2019 – 2022
Remote
- Developed open-source software using Node, Express, Ruby, Sinatra, PostgreSQL, MongoDB, Redis, React/Redux, vanilla JavaScript, HTML, and CSS
- Monkeys Typing Hamlet
  - Monkey hands randomly typing on a keyboard, tracking whether they type *Hamlet*
  - Google Cloud VPS, NGINX reverse proxy, and Node Express app with MongoDB and Redis
- Requestotron
  - Webhook and HTTP request visualizer for viewing and debugging network communication
  - Node Express app with PostgreSQL and MongoDB databases
- DOM-Keyboard
  - In-browser interactive keyboard built out of DOM nodes and released as an npm package
  - Zero dependency JavaScript using promise syntax for chain-able method calls with OOP design

Operations Manager, *Castleview Partners* 2016 – 2020
Chicago

Skills

Languages	Frameworks	Technologies	Cloud
JavaScript, Ruby, Go, SQL, HTML, CSS	Express, Sinatra, React/Redux, Node, Handlebars, jQuery	Git, GitHub, Docker, CI/CD, HTTP, REST APIs, NGINX, Redis, MongoDB	AWS: ECS, ECR, Fargate, App Mesh, CloudWatch Google Cloud VPS

Education

Launch School, *Software Engineering*
Multi-year, mastery-based software engineering curriculum with progression gated by written exams and live coding interviews to develop problem-solving skills. LaunchSchool.com/employers ⌕

Westfield State University, *BA in Communications* 2008 – 2012