James Duot

Software Engineer

📍 Los Angeles, CA   ✉ duot.jim@gmail.com   ⚑ duot.github.io   in james-duot

PROFILE

I'm a polyglot software engineer and a lifelong learner who loves to combine ingenuity and pragmatism. I value teamwork, dependability, communication, and empathy.

PROFESSIONAL EXPERIENCE

Co-Creator, Software Engineer, *Guardrail* 🔗   2021 – present
- Engineered Guardrail, an open-source HTTP traffic replay tool to test microservices in isolation
- Unified the team into a common goal by sharing the same vision after defining clear objectives and exploring alternatives
- Led research of market space for testing microservices
- Led the design and development of a RESTful API backend using MERN stack in Docker-Compose
- Extended Mountebank API with an admin process to manage the creation of HTTP proxies for service virtualization
- Developed a Node.js middleware for Goreplay to intercept and process I/O streams for HTTP traffic replay
- Contributed to the design and implementation of the CLI to orchestrate multiple traffic recording and replay tools across different environments
- Co-authored Guardrail case study
  - https://guardrail-service-testing.github.io 🔗

Full-Stack Web Developer, *Self-Employed*   2019 – 2021
- **Shopping-Cart:** Full-stack shopping cart using MongoDB Atlas, Node.js, ES6, Express, React, and Redux
- **Requestbin-Clone:** Webhooks API using Express and PostgreSQL
- **Airlines:** Filters airline flights on airports from JSON data. Built on React SPA and hosted on Heroku 🔗

SKILLS

Backend	Frontend	Tooling	Cloud
Node.js / Express	*JavaScript / ES6*	*Git / Github*	*Digital Ocean*
PostgreSQL / MongoDB	*HTML / CSS*	*Docker-Compose*	*Heroku*
Ruby / Sinatra	*React / Redux*	*Linux / VirtualBox*	
Go	*Handlebars.js*	*Mountebank*	
	jQuery	*Goreplay*	

EDUCATION

Software Engineering (Capstone), *Launch School* 🔗   2019 – 2021
  A mastery-based, multi-year, full-stack software engineering   Remote
  curriculum emphasizing core fundamentals gated by written exams,
  and live coding interviews