James Duot

Software Engineer

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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

- Co-created Guardrail, an open-source HTTP traffic replay tool to test a microservice in isolation
- Led the design and development of a RESTful API backend using MERN stack in docker-compose
- Created an admin process that utilizes Mountebank API to manage the creation of proxies for service mocking
- Created a Node.js middleware for Goreplay to intercept and process I/O streams
- Contributed to the design and implementation of the CLI to orchestrate multiple traffic recording and replay tools across different environments
- Collaborated daily with a small team of fully remote engineers
- 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 🔗

EDUCATION

Software Engineering (Capstone), *Launch School* 🔗   2019 – 2021

  A mastery-based multi-year full-stack software engineering curriculum   Remote
emphasizing core fundamentals gated by written exams and live coding
interviews

SKILLS

Languages
Go, JavaScript(ES6, Node.js), Ruby, SQL, HTML, CSS

Frameworks
Express, React/Redux, Sinatra, jQuery, Handlebars

Technologies
Docker, PostgreSQL, NoSQL(MongoDB), Git/GitHub, HTTP, JSON, REST APIs, webhooks, Goreplay, Mountebank, Linux

Cloud
Heroku, Digital Ocean Droplet