

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

- Engineered Guardrail, an open-source HTTP traffic replay tool for testing microservices in isolation
- 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
- Unified the team into a common goal by sharing the same vision after defining clear objectives and exploring alternatives
- 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
<i>Node.js / Express</i>	<i>JavaScript / ES6</i>	<i>Git / Github</i>	<i>Digital Ocean</i>
<i>PostgreSQL / MongoDB</i>	<i>HTML / CSS</i>	<i>Docker-Compose</i>	<i>Heroku</i>
<i>Ruby / Sinatra</i>	<i>React / Redux</i>	<i>Linux / VirtualBox</i>	
<i>Go</i>	<i>Handlebars.js</i>	<i>Mountebank</i>	
	<i>jQuery</i>	<i>Goreplay</i>	

EDUCATION

Software Engineering (Capstone), *Launch School* [🔗](#) 2019 - 2021

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