

# James Duot

Software Engineer

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## PROFILE

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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

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- 2021      **Co-Creator, Software Engineer, Guardrail** [🔗](#)
- Engineered Guardrail, an open-source HTTP traffic replay tool for testing microservices in isolation
  - Led the design and development of a RESTful API backend using MongoDB/Express/React/NodeJS 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
  - Led research of market space for testing microservices to guide the design process
  - 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> [🔗](#)
- 2019 - 2021      **Full-Stack Web Developer, Self-Employed**
- **Requestbin-Clone:** Webhooks API using Express and PostgreSQL
  - **Board** - Trello inspired task management tool using React/Redux, Node.js/Express, MongoDB Atlas, and RESTful API
  - **Shopping-Cart:** Full-stack shopping cart using MongoDB Atlas, Node.js, ES6, Express, React, and Redux
  - **Airlines:** Filters airline flights on airports from JSON data. Built on React SPA and hosted on Heroku [🔗](#)

## SKILLS

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

## EDUCATION

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