

Timothy Cummings


Software Engineer

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Professional Experience

Co-creator, Software Engineer,

05/2021 – present

Guardrail - <https://guardrail-service-testing.github.io/> 

- Created an open-source traffic replay tool for testing microservices in isolation.
- Researched and compared various combinations of upstream and downstream architectures to best balance capability with ease of use.
- Led the creation of Node.js CLI to orchestrate multiple traffic recording and replay tools across different environments with a few simple commands.
- Extended GoReplay with middleware to:
 - unify upstream and downstream traffic with correlation IDs.
 - gracefully handle response timeouts.
- Built a MERN stack reporting service (MongoDB, Express, React, Node.js.)
- Containerized Guardrail's components with Docker.
- Co-authored case study showcasing the technical challenges building Guardrail.
- Collaborated daily with a fully remote team.

Full Stack Developer, *self-employed; Michael Chaney Consulting*

11/2019 – 05/2021

- brownfield digital content library (Ruby on Rails, SQL, Dropbox & Box APIs)
 - Migrated major Rails versions; implemented features and bug fixes.
 - Migrated storage providers.
- greenfield parking & shuttle service (Ruby on Rails, JQuery, Google Maps API)
 - Implemented front-end design.
 - Migrated from JQuery to ES6.
- Trello-like Kanban tool (Node, Express, React, Redux, MongoDB)

Special Projects, *Patton Logistics*

03/2017 – 11/2019

- Payroll portal (Ruby on Rails, SQL, Heroku)
 - Built a data pipeline to reduce payroll expenses and errors.
 - Enabled audits recovering tens of thousands of dollars per quarter.

Skills

Front-end

HTML, CSS, JavaScript ES6,
JQuery, React/Redux, Bootstrap

Back-end

Ruby, Rails, Sinatra, Node.js,
Express, PostgreSQL, REST APIs,
Golang

Other

Web Development, Object
Oriented programming, Linux, Git,
Docker

Education

Launch School

2017 – 2021

mastery-based software engineering program

Computer Science, *Vanderbilt University*

2004 – 2006