# Timothy Cummings

Software Engineer

✉ timjc86@gmail.com   ➚ timothyjcummings.com   in timothyjcummings   ⚲ Nashville, TN

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 annually.

Skills

Front-end	Back-end	Other
HTML, CSS, JavaScript ES6, JQuery, React/Redux, Bootstrap	Ruby, Rails, Sinatra, Node.js, Express, PostgreSQL, REST APIs, Golang	Web Development, Object Oriented programming, Linux, Git, Docker

Education

Launch School   2017 – 2021
mastery-based software engineering program

Computer Science, *Vanderbilt University*   2004 – 2006