

Luke Burton

lukeburton19@gmail.com | linkedin.com/in/luke-burton-587838202/ | github.com/lukeburton00

TECHNICAL SKILLS

Languages: Go, Ruby, TypeScript, Python, C, SQL

Frameworks & Databases: Ruby on Rails, Angular, Gin, Tailwind CSS, PostgreSQL

Developer Tools: Git, Docker, Terraform, Google Cloud Platform, Agentic AI workflows

EDUCATION

Western Governors University

March 2024

Bachelor of Science, Computer Science

EXPERIENCE

Software Engineer

Sep 2024 - Present

Breeze Airways

Cottonwood Heights, UT

- Designed and built fare-feed, a Golang service replacing Breeze Airways' paid third-party fare-to-ads pipeline: pulls lowest fares for about 970 routes from Navitaire APIs, applies revenue-management pricing rules, and delivers daily Google/Meta ad feeds via SFTP, cutting vendor spend.
- Served as a forward-deployed engineer, embedded with marketing and ad-ops stakeholders: ran requirement discovery with marketing leadership, negotiated data-source and cutover decisions with the ad-ops owner, and coordinated with Meta's external ad partner to take the project from business problem to shipped system.
- Co-built and launched an in-app chat service that helped drive a 2% uplift in flight bookings, resulting in approximately \$6 million in incremental annual revenue.
- Helped establish Golang as the standard for new services, designing and documenting reusable service templates, coding standards, and best-practice guidelines for backend development in Go.
- Built and maintained features across Go services, Ruby on Rails APIs, and an Angular/TypeScript frontend.

Contract Software Developer

Jun 2023 - Oct 2023

Monocle Social

Provo, UT

- Developed a client-facing full-stack Ruby on Rails application for exploring Instagram API competitor data; deployed to Heroku with a PostgreSQL database.
- Implemented OAuth2 to allow users to log in securely via Facebook Login.
- Integrated OpenAI to generate Instagram content suggestions.

PROJECTS

Capstone - AI Image Classification | *Python, TensorFlow, Flask, Google Cloud*

- Trained a convolutional neural network to classify plant disease images, achieving 92% validation accuracy through parameter tuning.
- Deployed the model via a Flask application to Google App Engine with a Bootstrap-styled UI.

C Reverse Proxy | *C, CMake, Networking*

- Engineered a lightweight reverse proxy in C, forwarding and logging HTTP requests to a backend service.
- Implemented a flexible configuration system through config file parsing.