

Griffin Martin

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griffinmartin.dev

SENIOR GOLANG Engineer // BACK-END SPECIALIST

Experienced engineer with a passion for startups, having worked with Golang at a high level for the past five years. My passion for delivering simple solutions to complex problems is at the heart of my development philosophy. I believe that the best software is not only functional but also easy to understand, modify, and maintain. That's why I place a strong emphasis on readability and testability in my code, ensuring that it is clean, well-structured, documented, and thoroughly tested.

Fluid Truck - Denver, CO

(May 2021 → July 2023)

Software Engineer (Go)

Backend engineer within the telematics pod. Built and contributed to numerous services within a domain/event-driven microservice architecture.

- Created numerous telematics-related services to ingest, transform, and warehouse data from fleet vehicles.
- Migrated telematics data ingest from C# to Go, utilizing Google Pub/Sub with protocol buffers drastically reducing overhead and GCP costs with autoscaling and concurrency.
- Implemented an integration to manage diagnostic trouble codes from vehicles giving fleet managers instant insight into vehicle problems. Saved fleet managers considerable time as they no longer needed to search every code manually.
- Created a service to ingest vehicle crash data for the BI team to analyze and help the insurance claims process.
- Created a service to process SMS events with AT&T SMPP binds allowing uncapped throughput for telematics-related SMS.
- Worked on a greenfield project to leverage MQTT with nextgen telematics devices in collaboration with the hardware team. Significantly lowered latency of device commands with MQTT while using protobufs for standardized messages. Cut per-device costs considerably with migration away from SMS and reduced cellular bandwidth with byte-encoded protos.

Technologies: Go, gRPC, Protocol Buffers, Pub/Sub(events), PostgreSQL, Redis, BigQuery, MQTT, Terraform, Helm, Kubernetes

Inspire Fitness - Denver, CO

(January 2019 → April 2021)

Software Engineer (Go, Clojure, Javascript)

Part of the team that maintains backend services to distribute, consume, and manage live and pre-recorded video content as well as the APIs that power them.

- Developed a stripe integration to manage customer subscriptions
- Expanded and built upon an authentication service including various registration flows integrated with SendGrid
- Integrated all aspects of infrastructure telemetry to be consumed and reported via Datadog
- Implemented CI/CD pipelines with CircleCI
- Assembled and executed ansible playbooks for management of EC2 instances

Technologies: Go, Clojure, Websockets, PostgreSQL, NSQ, Docker, Ansible, AWS (EC2, CloudFront, S3), CircleCI, FFmpeg, OpenAPI, Datadog

FluentStream - Denver, CO

(September 2017 → January 2019)

Software Engineer II (Go)

Helped manage the Go microservices and mentored junior engineers working on client-side projects.

- Developed a reporting service that produced a variety of customizable reports for customers
- Assisted DevOps and acted as a middleman between the two teams
- Involved in architecture and code review, eliciting simple and minimal design

Technologies: Go, Websockets, MariaDB, Docker, Kubernetes, ELK Stack, Javascript (React, Node)

Software Engineer I (Go, Javascript)

Quickly became a core member of the engineering team post-college graduation. I was exposed to many moving pieces and quickly picked up an understanding of both front and back-end development.

- Implemented an XMPP-based chat service in an electron application
- Created a chatbot for Slack that allowed customers to retrieve voicemails and messages
- Developed a contact importation service that allowed customers to upload their contacts directly to our database

Technologies: Go, MariaDB, Javascript (React, Node), XMPP, MongoDB

EDUCATION

Michigan State University

Bachelor of Science in Media and Information

Graduated Spring of 2017

Student Web Developer

- Michigan State University (CABS) - East Lansing, MI (January 2017 → August 2017)
- SNWorks - East Lansing, MI (May 2016 → September 2016)