Emma Smith

Software Engineer

+1 (555) 234-8765 | emma.smith.go@email.com | linkedin.com/in/emmasmithgo | Portland, OR

SUMMARY

A dedicated backend Software Engineer with 4 years of experience, specializing in building high-performance, concurrent services in Go. Strong experience with microservice architectures and deploying applications on Google Cloud Platform (GCP). Passionate about writing clean, efficient, and highly testable code.

STRENGTHS

Go Programming: Deep proficiency in Go for building scalable and concurrent backend services, with a strong understanding of goroutines, channels, and context.

Microservice Architecture: Experienced in designing, developing, and maintaining independent, loosely coupled microservices that communicate via REST or gRPC.

Cloud Development (GCP): Skilled in leveraging GCP services like Cloud Run, Cloud SQL, and Pub/Sub to build and deploy cloud-native applications.

Test-Driven Development (TDD): A strong advocate for TDD, writing tests before implementation to ensure code is correct, robust, and easy to refactor.

TECHNICAL SKILLS

Languages: Go, Python, SQL

Frameworks & Tools: gRPC, Protocol Buffers, Gin, Go testing suite

Cloud & DevOps: GCP (Cloud Run, Cloud SQL, Pub/Sub, Cloud Build), Docker, Kubernetes

Databases: PostgreSQL, MySQL, Firestore

PROFESSIONAL EXPERIENCE

Software Engineer | Streamline Logic | August 2021 - Present

- Develops and maintains several core microservices written in Go that form the backbone of the company's data processing platform.

- Led the design and implementation of a new asynchronous task processing system using GCP Pub/Sub and Cloud Run, improving system throughput by 200%.

- Refactored a critical service to improve its concurrency model, resulting in a 50% reduction in resource usage and lower cloud costs.

- Actively participates in code reviews, providing detailed feedback on code style, performance, and adherence to architectural patterns.

- Wrote an extensive suite of unit and integration tests for all owned services, achieving over 95% code coverage.

PROJECTS

gRPC-based Chat Service: Built a simple real-time chat application using a Go backend that communicates with clients via a bidirectional gRPC stream. The project demonstrates proficiency with gRPC and concurrent programming in Go.

EDUCATION

Bachelor of Science in Computer Science | Oregon State University | 2017 - 2021