



Courtney Foster

Software Engineer (Go, gRPC, Kubernetes) in Logistics
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SKILLS

Go (Golang) • gRPC • Kubernetes • Prometheus • OpenTelemetry • Docker • RESTful APIs •
Microservices Architecture • PostgreSQL • Redis • Apache Kafka • CI/CD (GitHub Actions)

EXPERIENCE

Software Engineer — SwiftParcel Logistics

June 2024 – Present

Led the architecture and implementation of Go-based microservices with gRPC for fleet and order orchestration, serving 40+ distribution centers with 99.9% uptime. Containerized services with Docker and deployed on Kubernetes, reducing deployment time by 40% and enabling seamless auto-scaling. Implemented Prometheus-based metrics and OpenTelemetry tracing for observability, cutting mean time to recovery by 30%.

Software Engineer — GlobalFreight Solutions

March 2021 – May 2024

Designed and built Go microservices with gRPC interfaces for shipment tracking and warehouse automation, handling 1,000+ concurrent requests. Orchestrated Kubernetes-based deployments and CI/CD pipelines, reducing mean time to deploy by 50%. Established Prometheus-based monitoring and Grafana dashboards for key logistics KPIs.

Software Engineer Intern — NorthBay Distribution

July 2020 – February 2021

Contributed to Go-based services for order processing and inventory synchronization, implementing new API endpoints. Wrote unit and integration tests achieving over 85% test coverage. Assisted with Dockerization and basic Kubernetes deployment workflows.

EDUCATION

Bachelor of Science in Computer Science

The University of Hong Kong

Graduated: 2020