Chloe Kim

Software Engineer

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SUMMARY

A motivated Software Engineer with 3.5 years of experience specializing in backend systems and cloud infrastructure. Proficient in Go and Rust, with a passion for building high-performance, concurrent applications. Experienced in working with cloud platforms like GCP and utilizing containerization technologies to create resilient and scalable services.

STRENGTHS

Performance Engineering: Specializes in writing highly efficient, low-latency code in Go and Rust.

Cloud-Native Development: Designs and deploys applications using Docker, Kubernetes, and GCP services.

System Reliability: Focuses on building robust, fault-tolerant systems with effective monitoring and alerting.

Problem Solving: Enjoys tackling complex technical challenges and debugging issues in distributed systems.

TECHNICAL SKILLS

Languages: Go (Expert), Rust, Python, SQL

Cloud & DevOps: Google Cloud Platform (GCP), Kubernetes (GKE), Docker, Terraform, CI/CD

Databases: CockroachDB, PostgreSQL, Redis

Tools & Concepts: gRPC, Prometheus, Grafana, Microservices, Concurrency

PROFESSIONAL EXPERIENCE

Software Engineer | LogiScale Inc. | January 2022 - Present

Develops high-throughput data processing services using Go and gRPC, running on Google Kubernetes Engine.

Contributes to the company's open-source projects, focusing on improving performance and reliability.

Implements system monitoring and alerting using Prometheus and Grafana to ensure service health.

Participates in an on-call rotation to debug and resolve production issues in a timely manner.

Associate Software Engineer | DataFlow Systems | March 2020 - January 2022

Assisted in the development of backend services for a data analytics platform using Python.

Gained experience writing concurrent code and managing shared resources.

Contributed to the team's CI/CD pipeline, helping to automate testing and deployment processes.

PROJECTS

Distributed Key-Value Store: A personal project building a fault-tolerant, distributed key-value store in Rust to explore consensus algorithms like Raft.

EDUCATION

Bachelor of Science in Computer Science | University of Colorado Boulder | 2016 - 2020