George Schumy

Backend Engineer & SRE

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SUMMARY

Backend Engineer with 4+ years of experience at one of Indonesia's largest retail companies, specializing in Golang microservices, Google Cloud Platform migrations, and site reliability engineering. Led cloud migration of 15,000+ stores, built Parquet-based data pipelines moving billions of rows, and kept high-volume transaction systems reliable through SLI/SLO monitoring, incident response, and zero-downtime deployments.

SKILLS

Languages & Frameworks: Golang (Echo), Python (FastAPI, Flask), TypeScript (Next.js), RESTful APIs & HTTP

Cloud & Infrastructure: Google Cloud Platform, Cloud Run, Cloud SQL, Pub/Sub, Compute Engine, Load Balancing, Kubernetes (GKE), Secret Manager, Docker, Linux

Databases & Data: PostgreSQL, Redis, Firebase, Parquet data processing, Pub/Sub messaging

DevOps & CI/CD: Jenkins pipelines, Docker containers, automated deployments, zero-downtime releases

SRE & Reliability: Incident management & on-call, SLI/SLO monitoring, capacity planning, observability (logging, metrics, tracing)

Practices: OOP & design patterns, data structures & algorithms, system design & architecture, Agile, cross-functional collaboration

EXPERIENCE

Backend Engineer, Cloud Developer & SRE

PT. Sumber Alfaria Trijaya (Alfamart), Jakarta, Indonesia | Jul 2022 – Present

- Spearheaded cloud migration of 70%+ of Alfamart stores (15,000+ stores) from legacy to cloud-native infrastructure, cutting downtime by 30% and boosting transaction throughput by 25%.
- Architected high-performance Golang microservices for Parquet-based data pipelines, managing large-scale database operations and ETL workflows.
- Created a private Golang standard-code module adopted across teams, standardizing shared patterns and utilities and speeding up new service development.
- Built a master transfer system to migrate data from warehouse to stores at start-of-day and collect transaction/inventory data from stores back to warehouse at end-of-day, ensuring data consistency across 15,000+ stores.
- Deployed containerized services to Cloud Run, Compute Engine, and GKE with Load Balancing, integrated with Cloud SQL, Pub/Sub, and Secret Manager.
- Engineered automated CI/CD pipelines with Jenkins for zero-downtime deployments across multiple environments.
- Maintained site reliability: defined SLIs/SLOs, managed incident response, conducted post-mortems, and implemented observability stack (logging, metrics, tracing).
- Collaborated with frontend teams on design system development, improving cross-functional delivery speed.

Fullstack Developer Intern (IT Business Solution)

PT. Sumber Alfaria Trijaya (Alfamart), Jakarta, Indonesia | Sep 2021 – Jul 2022

- Developed a Python fingerprint authentication library (NitgenBSP) enabling biometric verification across multi-platform POS systems.
- Built an automated cloud file sync client with intelligent retry/back-off and checksum verification, ensuring data integrity at scale.
- Optimized transaction history reporting system, reducing query latency by 20% through query profiling and index tuning.
- Contributed to a Store Information System for master stock management, improving inventory accuracy and operational reliability.

EDUCATION

Universitas Kristen Satya Wacana

Bachelor of Information Engineering | Graduated 2022 | GPA: 3.96 / 4.00