

Renate Reinsve

Software Engineer

San Francisco, CA, USA • +1 xxx xxx xxxx • john@gmail.com • [LinkedIn](#) • [GitHub](#) • [Stack Overflow](#) • [Portfolio](#)

Summary

Software Engineer with 3+ years of experience building distributed systems and microservices in Go and Python. Worked on high-traffic social media and fintech platforms using gRPC, Kafka, RabbitMQ, PostgreSQL, Redis, Docker, and Kubernetes. Strong background in scalable backend architecture, performance optimization, and production infrastructure. Active open-source contributor.

Skills

- Programming Languages: Go, Python, Bash
- Backend Technologies: Microservices, Gin, FastAPI, Django, SQLAlchemy, REST, gRPC, GraphQL
- Cloud & Infrastructure: AWS, GCP, Linux, Docker, Kubernetes, Git, Grafana, Sentry
- Databases & Messaging: PostgreSQL, MySQL, Redis, Kafka, RabbitMQ, Elasticsearch
- Soft Skills: Problem-solving, Cross-functional Collaboration, Ownership, Teamwork

Professional Experience

OpenAI

Jan 2026 – Present

Software Engineer

San Francisco, CA, USA

- Developed **efficient attention kernels** in Triton and CUDA, achieving **25% inference speedup** for GPT-4 class models.
- Created **RLHF data curation pipelines** with **scale-out Python services**, handling **100M+ preference comparisons** weekly.
- Integrated **model guardrails** via **structured output parsing**, reducing **unsafe response rate by 58%** in production API.

Google

Apr 2024 – Jan 2026

Software Engineer

Mountain View, CA, USA

- Designed **scalable backend services** in **C++ and Borg** handling **50K+ QPS** for Search Ads, maintaining **99.99% availability**.
- Led migration of **legacy MapReduce jobs** to **Beam/Dataflow**, reducing **processing cost by 40%** for petabyte-scale logs.
- Built **A/B testing framework** integrated with **Spanner**, accelerating feature rollout velocity by **3 sprint cycles per quarter**.
- Implemented **anomaly detection system** for **YouTube CDN traffic** using **Flink streaming**, detecting outliers within **200ms**.
- Created **internal developer tool** to visualize **service dependencies** across **10k+ microservices**, cutting **debugging time by 60%**.

Tesla

Feb 2023 – Apr 2024

Software Engineer

Palo Alto, CA, USA

- Optimized **real-time telemetry pipelines** for vehicle fleet data, reducing **latency by 32%** and improving over-the-air diagnostic accuracy.
- Implemented **Python-based simulation tools** for Autopilot edge cases, enabling **10x faster regression testing** of perception models.
- Refactored **embedded Linux modules** for the infotainment system, cutting **boot time by 1.8 seconds** across 2M+ vehicles.

Education

B.S. in Computer Science

Sep 2018 – Sep 2023

Stanford University

Stanford, CA, USA

Contributions

- [go-echarts/go-echarts#244](#) – Added tests to improve code reliability.
- [google/go-github#2469](#) – Return explicit errors instead of silent failures
- [google/go-github#2460](#) – Fixed unhandled error to prevent silent failures.