

Alex Kim

Software Engineer

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SUMMARY

Backend engineer with five years building data pipelines and APIs in Python and Go. Cares about reliable systems, clear code reviews and an on-call rotation that lets people sleep.

EXPERIENCE

Software Engineer II, Cascade Health Tech Seattle, WA • Apr 2022 to Present

- Moved 40 nightly batch jobs to an event queue; failed runs dropped from 12 a month to 3
- Built the claims API in Go that serves 2M requests a day at a 45 ms median
- Cut cloud spend by \$180K a year by right-sizing Kubernetes workloads
- Wrote the on-call runbook and alert rules; pages after hours fell by half
- Mentor 2 junior engineers and lead the team's weekly design review

Software Engineer, Ridgeline Logistics Bellevue, WA • Jul 2020 to Mar 2022

- Wrote the route planning service in Python that schedules 9,000 deliveries a day
- Added contract tests that caught 30+ breaking changes before release
- Moved the team from manual deploys to CI/CD with GitHub Actions; releases went from weekly to daily
- Cut the driver app's sync time from 40 to 6 seconds with delta updates

Software Engineering Intern, Puget Sound Maps Seattle, WA • Jun 2019 to Sep 2019

- Built a tile cache that cut map load time by 35%
- Wrote load tests that found a memory leak before launch

EDUCATION

BS in Computer Science, University of Washington Seattle, WA • 2016 to 2020

- GPA 3.7, Dean's List
- Coursework: Distributed Systems, Databases, Algorithms, Operating Systems

SKILLS

Languages: Python, Go, SQL, TypeScript
Data: PostgreSQL, Kafka, Redis, BigQuery
Infrastructure: Kubernetes, Terraform, AWS, GitHub Actions
Practices: Code review, design docs, on-call, test-driven development

PROJECTS

- Trailcount: open source trail counter in Python and Flask, used by 1,200 hikers
- A Go rate limiter library with 800 stars on GitHub
- Bus delay map for a Seattle civic data weekend, 2021, first place

CERTIFICATIONS

AWS Certified Developer, Associate, 2023