

Arman Khan

Software Engineer

Contact

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Technical Skills

- Languages**
Python, Go, TypeScript, Java, SQL
- Frameworks**
Django, FastAPI, React, Node.js, Spring Boot
- Databases**
PostgreSQL, MongoDB, Redis, Elastic-search
- DevOps & Cloud**
AWS, GCP, Docker, Kubernetes, Terraform, CI/CD, GitHub Actions

Education

- BSc in Computer Science**
& Engineering
University of California, Berkeley
2018 – 2022
GPA: 3.82 / 4.00
- Relevant Coursework**
Distributed Systems, Algorithms, Machine Learning, OS, Databases

Profile

Results-driven Software Engineer with 4+ years of experience designing and shipping high-availability distributed systems serving millions of users. Proven track record of reducing infrastructure costs and latency through thoughtful architecture and rigorous performance tuning. Passionate about clean code, developer tooling, and mentoring junior engineers to build high-impact, scalable products.

Experience

- Senior Software Engineer** Jan 2023 – Present
Stripe, Inc. | San Francisco, CA
 - Redesigned the payment-processing pipeline using Go microservices, reducing P99 latency by **42%** and handling **120K** transactions per second at peak load.
 - Led migration of 18 legacy services to Kubernetes on GKE, cutting infrastructure costs by **\$280K/year** and improving deployment frequency from weekly to 30+ times daily.
 - Built an internal developer portal (React + FastAPI) adopted by **200+** engineers, reducing onboarding time from 2 weeks to 3 days.

- Software Engineer** Jul 2022 – Dec 2022
Lyft, Inc. | San Francisco, CA
 - Implemented a real-time surge-pricing engine with Kafka and Redis Streams, improving pricing accuracy by **31%** and increasing revenue per ride by **9%**.
 - Optimised PostgreSQL query plans and introduced connection pooling via PgBouncer, achieving a **55%** reduction in average DB response time across 6 high-traffic services.
 - Authored comprehensive integration tests and chaos-engineering runbooks, raising service reliability from 99.5% to **99.97%** SLA.

Projects

- DistCache** | *Go, Redis, Raft Consensus, gRPC*
 - Built a distributed in-memory cache with Raft-based leader election and consistent hashing, achieving **sub-1ms** read latency and linear scalability to 16 nodes in benchmarks.
- CodeReview AI** | *Python, FastAPI, OpenAI API, React, PostgreSQL*
 - Developed an LLM-powered GitHub bot that automatically reviews PRs for security issues and style violations, reducing review cycle time by **60%** across 12 open-source repos.

Achievements

- Stripe Hack Week Winner 2024** — Built a fraud-detection prototype using graph neural networks that flagged **94%** of synthetic fraud cases, earning the *Best Infra Impact* award.
- AWS Certified Solutions Architect – Professional** (2023); **Google Cloud Professional Data Engineer** (2022); top **1%** contributor on LeetCode (**1,900+** rating).