# Kamyar Mirzavaziri

Software Engineer

## Summary

With 7 years of programming experience, including 4 years in enterprise Software Engineering across FinTech, E-commerce, and EdTech, I specialize in designing data-intensive applications with a focus on reliability, scalability, and maintainability. My experience spans from maintaining high-traffic services handling ~26K req/second and collaborating with 500 backend engineers to working in startups as small as 20 employees, enabling me to adapt seamlessly to any environment. In my free time, I enjoy contributing to open source projects.

## Contact

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## Skills

**Backend (Primary)**

**Expert in** Go · Python · PHP · SQL

**Experienced in** Kubernetes · Docker · Linux · CI/CD · Django · Redis

**Familiar with** Nginx · Kafka · Ansible · MongoDB · RabbitMQ · Prometheus · AWS (EC2, ECS, S3, RDS) · Terraform

**Other Stacks**

**Experienced in** JS · HTML · CSS

**Familiar with** WordPress · UI/UX (Figma) · Flutter · Dart

## Education

**Sharif University of Technology**

*M.Sc. CS, 2022 - 2023 (Drop-out)*

**University of Tehran**

*B.Sc. CS, 2017 - 2022*

- *Served as Chief Scientific Officer at the Scientific Association of Computer Science for 1 year.*
- *TA for 4 courses, including Head TA managing 3 other assistants in one course.*

# Work Experience

**Software Engineer** at Best Wing · Mar 2024 - Present (5 mos) · Dubai
*An iGaming & Blockchain startup*

*AWS · Terrafrom · Docker · Gitlab CI · Go · Redis · PostgreSQL · Kafka · Clickhouse*

- Accelerated MVP launch by 1 month by applying Extreme Programming (XP) practices and Continuous Integration, which led to an earlier go-live.
- Automated CD on AWS by using Terraform for IaC, which increased productivity, reduced costs by 20%, and improved availability.
- Improved data processing with an event-driven architecture by integrating Kafka and ClickHouse, which handled high call volumes and enabled advanced reporting for marketing and BI teams.

**Software Engineer** at Divar · Jul 2022 - Mar 2024 (1 yr 9 mos) · Tehran
*Alternative for Bayut in Iran with 60+ million active users.*

*K8s · Docker · Gitlab CI · Go · Python · Redis · PostgreSQL · MongoDB · RabbitMQ · Kafka · Prometheus · Grafana*

- Played a major role in redesigning a critical Python service in Go, leading to 99.9% uptime (up from 99.84%), sub-100 ms response times (99th percentile), a 95% reduction in average response size, increased developer productivity, and a notable decrease in call center load.
- Optimized a write-heavy service by shifting from synchronous calls to asynchronous events, resulting in higher fault tolerance, preventing data loss, and reducing resource usage by 66% (24 CPU cores and 120 GiB memory).
- Reduced CI pipeline duration to < 2min (from > 5) in a monorepo by employing caching and best practices, significantly boosting overall developer productivity across the organization.
- Maintained a critical read-heavy service with an average load of 6K+ req/s, satisfying business requirements and ensuring high availability.

**Software Engineer** at Avistopia · Oct 2021 - Jun 2022 (9 mos) · Tehran
*An EdTech startup with $50K+ annual revenue.*

*Docker · Nginx · GitHub Actions · PHP · JS · MySQL · Redis · Twig · Sass · Prometheus · Grafana*

- Crafted a scalable LMS by leading 3 engineers under Agile, which now hosts 2500+ users and offering 70+ courses and workshops.
- Met complex business requirements for event registration by swiftly designing and developing a microservice, attracting 400+ users in the early days.

**Software Engineer** at Digikala · Aug 2020 - Sep 2021 (1 yr 2 mos) · Tehran
*Alternative for Amazon in Iran with 41+ million active users.*

*PHP · Symfony · JS · MySQL · Redis · Twig*

- Organized fulfillment center inbound operations by implementing a queue management system with ticket dispensers at warehouses, boosting satisfaction for sellers and suppliers.
- Enhanced warehouse security by engineering a tracking system with customizable storage constraints, resulting in $20K monthly cost savings.

**Software Engineer** at Arithland · Aug 2017 - Jul 2020 (3 yrs) · Mashhad
*An Educational Center promoting mathematics using creative methods.*

*MySQL · PHP · JavaScript · C# · HTML · CSS · Bootstrap · WordPress*

- Reduced staffing requirements by automating competition score tracking, resulting in cost savings for the organization.
- Simplified the registration procedure by implementing a web app, leading to 21K+ students participating in events within a year.

# Languages

**English**
Can speak fluently

**Farsi**
Native speaker