

Mobin Shaterian

Golang Developer (Senior Software Engineer)

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SKILLS

- Senior Backend Developer with **+14 years** of experience in software engineering.
- Golang Language, GRPC, Microservices, RestfulAPI, Gin, Echo, Protobuf, Open Telemetry, API Gateway, Swagger, Prometheus, Sentry
- Microservices, Clean Code, Domain-driven design, Object-Oriented, Design pattern, SOLID principles, CQRS
- Databases: RDBMS, Postgres, MongoDB, Redis, Cassandra, Elastic, MySQL
- Message Broker and Bus: Nats, Jetstream, Kafka, RabbitMQ
- Test: TDD, Unit test, performance test, Integration test
- Docker, Docker-compose, Minio, Git, CI/CD pipeline, Linux, Ubuntu

PROFESSIONAL EXPERIENCE

Senior Software Engineer + Golang Developer

Iran, Tehran FullTime

MTN IRANCELL

Sep 2025 - Present

- Designing and implementing a robust ETL system to integrate network measurement data from Atoll, serving the processed data via a high-performance GraphQL API.
- Architecting a high-throughput KPI data pipeline on ClickHouse processing **15M+ rows hourly**. Optimized for scale by implementing date-based partitioning, flat wide-table storage,

Golang Developer

Iran, Tehran FullTime

SNAPP TRIP

Dec 2024 - Oct 2025

- Developed Version 2 of a B2B API, now serving +30 partner companies and processing over **400K requests** daily. Redesigned the system architecture to enhance scalability, performance, and high availability, ensuring seamless partner integrations. Optimized API response times and reliability, reducing downtime and improving partner satisfaction.
- Contributed significantly to the "Tour" project by:
 - Implementing performance optimizations and code quality improvements to elevate system efficiency.
 - Enforcing software engineering best practices (e.g., clean code, testing, documentation) to boost maintainability.
 - Strengthening system reliability through proactive monitoring and fault-tolerant design.

Golang Developer

Slovakia Bratislava• Full-time Remote

WALL IT S.R.O.

Jan 2023 - Sep 2024

- Led the transformation of a monolithic system into a microservices architecture, implementing clean code principles and SOLID design patterns to enhance system readability and maintainability.
- Engineered robust microservices utilizing clean code practices and integrated OAuth2 authentication, significantly improving client authentication processes.
- Successfully implemented and integrated a cutting-edge tech stack (Go-micro, Swagger, OpenTelemetry, Prometheus, Google Cloud Storage, and Liquibase), resulting in a **40%** improvement in system monitoring efficiency and a **25%** reduction in deployment times. Developed comprehensive unit and integration tests, achieving **40%** code coverage and reducing post-deployment issues by **60%**.

- Spearheaded the development and deployment of Corepass Applications versions 1 and 2, delivering critical functionality to meet evolving business requirements.

Data Scientist

- Developed an AI-driven auto-response system for CRM tickets using Large Language Models (LLM). Achieved **35%** excellent responses, comparable to human agent quality. Generated **25%** of reactions requesting additional information, potentially reducing agent response times. Produced **30%** of reactions with relevant guidance, albeit with minor deviations from original requests.
- Engineered and implemented a topic modeling algorithm to cluster support tickets, facilitating the creation of a data-driven knowledge base. And report the categories of common topics for the tickets.

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TEHRAN INTERNET (*780#)

Jun 2022 - Feb 2023

- Handel high TPS with Postgres, MongoDB, Kafka, and Nats in the Microservice environment.
- Implement a **CQRS** system for managing transactions of payment businesses.
- Data is collected from other microservices in the PostgreSQL database and inserted into MongoDB using Debezium and Kafka. In the previous version, users were unable to search for their transactions and couldn't view them online.
- Designing a resilient system in an event-driven pipeline.
- I struggle to read and write **100K** requests in the Postgres DB and aggressive solutions with Redis.
- Development Payment B2B with the Iranian Payment System.

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Iran, Tehran Full-time

MOM HOSPITAL

Jan 2021 - Jun 2022

- **Riskeman Application:** Led the back-end development of Riskeman, an application that predicted COVID-19 patient mortality rates in Iran. The application achieved high scalability, handling 8 million requests per day.
- **Technical Improvements:** Optimized the machine learning model for COVID-19 death prediction in Riskeman, resulting in a significant performance increase from 3 transactions per second (TPS) to 10,000 TPS. Additionally, I designed a RESTful web service endpoint using Golang for efficient data access.
- **Crawler News:** I lead the back-end development team for Crawler News, a system that gathers, processes, and stores massive amounts of data (1 Terabyte daily).

Technical Project Manager,

Iran, Karaj contract

ELAART

Jan 2019 - Dec 2025

- Optimized e-commerce operations and automated workflows to significantly boost operational efficiency and cut maintenance costs. Developed digital solutions that drove online sales to surpass physical store revenue.

EDUCATION

Artificial Intelligence Master's Degree,

Iran, Tehran

ISLAMIC AZAD UNIVERSITY, SCIENCE AND RESEARCH BRANCH

2014 - 2017

- Developed an intelligence system for chronic pain type determination at Khatam Hospital.
- Published Articles: (Google Scholar [\[1\]](#)). Identifying the Effective Factors on Neuropathic Diseases in Patients with Chronic Pain Using Deep Neural Networks[\[2\]](#). The Importance of Automated Systems for Information Gathering and Decision-making Support for Pain Management in Patients with Spinal Cord Injury[\[3\]](#)

Computer Science Bachelor's Degree,

Iran, Karaj

KHARAZMI UNIVERSITY

2010 - 2013