

# Mohammad Lashkari

## Software Engineer

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Software Engineer with 3 years of experience designing and building **distributed systems**, **cloud-native microservices**, and event-driven architectures in **Go**. Skilled in developing scalable, high-performance backend and infrastructure services on **Kubernetes**. Experienced in building reliable, observable, and fault-tolerant systems for production environments.

### PROFESSIONAL EXPERIENCE

[RahkarSanat](#), Kerman, Iran - August 2024 - Present

#### Software Engineer

- Worked on real-time data pipelines for a vehicle tracking platform, ingesting IoT telemetry via MQTT and streaming through Kafka, RisingWave, and ClickHouse for processing and analytics.
- Built a notification service for a distributed platform, enabling multi-channel delivery (SMS, email, and push notifications) via gRPC and Kafka-based event triggers.
- Designed and implemented authentication and authorization services, including a custom OpenID Connect provider and a fine-grained access control system (ABAC, RBAC, ReBAC) inspired by Google Zanzibar.
- Developed payment services, integrating multiple payment gateways (IPGs) with a focus on transaction consistency, idempotency, and fault-tolerant workflows.
- Implemented Change Data Capture (CDC) pipelines to stream database changes into event-driven workflows.

[Ezztrip](#), Kerman, Iran - June 2023 - June 2024

#### Backend Engineer

- Designed and built the core reservation platform in Go, exposing gRPC APIs for booking creation, modification, and cancellation with strict state transition management.
- Implemented concurrency control logic to prevent double-bookings across overlapping reservation windows.
- Built a Redis-backed scheduler to automate reservation lifecycle management, handling booking expiration and cancellation policy execution to prevent inventory lockout and maintain system consistency.

### TECHNICAL SKILLS

**Languages:** Go, Python, Dart, C

**Distributed Systems:** Kafka, RabbitMQ, NATS, MQTT, gRPC, Protobuf, Schema Registry

**Infrastructure:** Kubernetes, Docker, GitLab CI, OpenTelemetry, Prometheus, Grafana

**Data & Storage:** PostgreSQL, ClickHouse, MongoDB, Redis, MinIO (S3)

### Languages

- English — Fluent
- Persian — Native

### EDUCATION

#### Master of Science in Computer Networks

Shahid Bahonar University of Kerman – Kerman, Iran - 2024 - Expected 2026

#### Bachelor of Science in Computer Engineering

Vali-e-Asr University of Rafsanjan – Rafsanjan, Iran - 2019 - 2023