

# Muhammad Javad Akbarian

Software Engineer (BackEnd | Blockchain)

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## SKILLS

### Programming Languages

- **Go (Golang):** 5+ years of production experience building backend systems using Go idioms, **goroutines, channels, concurrency patterns, networking**, and performance-oriented design.
- **Additional languages:** JS, PHP, and Java.

### Architecture / Software Design

- Experienced in designing and implementing **microservices, Clean Architecture, Hexagonal Architecture, and Event-Driven Architecture (EDA)** for scalable, maintainable backend systems.
- Designed and delivered **30+ applications**, applying efficient methodologies for building **high-quality, well-tested software**.
- Developed **server-side APIs** using **gRPC, RESTful services, and related frameworks**, focusing on performance, reliability, and optimal API design.

### Databases / Streaming / Message Brokers

- Extensive experience with **SQL databases** such as MySQL and PostgreSQL, and **NoSQL databases** including MongoDB.
- Hands-on experience with **in-memory databases** like Redis for caching and high-performance data access.
- Familiarity with **streaming and messaging systems** such as Kafka and RabbitMQ for scalable, event-driven architectures.
- Knowledge of additional database paradigms, including **column-oriented NoSQL (Cassandra, Scylla), graph, and time-series databases**, with interest in applying them to large-scale systems.

### Deployment

- Extensive experience **deploying and managing applications** using **Docker** on Linux-based environments.
- Proficient in **Git** and familiar with **branching strategies, workflows, and version control best practices** for large-scale software development.

## PROFESSIONAL EXPERIENCES

### Back-End Developer, Eghamat24

03/2025 – Present

- Served as a **Back-End Developer** on a **B2B General Reservation Service (GRS)** for flights and tours, contributing to core search and reservation workflows.
- **Led backend optimizations** to improve search performance and inventory availability, achieving **over 80% reduction in search response time**.
- Played a key role in designing and implementing an **AI-driven search assistance and flight recommendation agent**, improving travel discovery and booking efficiency.

### Blockchain Developer, Pactus Blockchain

04/2024 – 12/2024

- Contributed to the development of a **Layer 1 blockchain**, gaining deep understanding of **end-to-end blockchain workflows** from transaction propagation to finality.
- Worked with **peer-to-peer (P2P) networking, consensus mechanisms**, and **virtual machine (VM) architectures** to support secure and reliable blockchain execution.

### Back-End Developer, Sensifai

03/2023 – 03/2025

- Gained hands-on experience designing and integrating **blockchain-based services** across multiple networks, including **Ethereum-compatible chains (ETH, Polygon, BNB), Solana, and The Open Network (TON)**.
- Worked extensively with **smart contracts and blockchain standards**, contributing to cross-chain functionality and platform-specific implementations.

### Back-End Developer, MedxFactor

10/2021 – 03/2023

- Designed and developed **microservices-based systems** delivering reliable, production-grade services for an **insurance service provider**.
- Worked extensively with **relational and non-relational databases**, making architectural decisions around data modeling and persistence.
- Implemented and operated **cloud-native services** on **Microsoft Azure** and **Google Cloud Platform (GCP)**, supporting deployment, scalability, and availability.

### Software Developer, Navosh

01/2020 – 08/2020

In this position, I gained experience in developing warehouse and accounting applications, as well as point-of-sale (POS) device applications. I initiated my journey with Golang and related frameworks and libraries, such as Iris, Gorm, and Gin, during this role.