

Amirhossein Malekian

Software Engineer | Backend Developer

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SUMMARY

Software Engineer with 6+ years of experience building high-quality production web applications. Currently focused on backend engineering with Go, building scalable and cloud-native systems with an emphasis on distributed systems, high concurrency, and asynchronous processing through open-source contributions and personal projects.

PROFESSIONAL EXPERIENCE

Kasra Company  , Software Engineer	2023 – 2024 Isfahan, Iran
- Optimized and maintained a high-traffic production HRM platform using TypeScript and Redux, improving state management efficiency and reducing page load times. - Built an SSR recruitment platform for an enterprise client using Next.js, implementing frontend features, API routes, and server-side application logic. - Delivered production features, resolved issues, and collaborated with backend engineers through Agile workflows, Git, and code reviews. - Worked within a containerized development environment using Docker, Docker Compose, and CI/CD workflows. - Promoted Linux-based development practices and supported teammates in setting up and troubleshooting Linux development environments.	

EDUCATION

Bachelor of Science (BS) in Computer Science	2019 – 2024
University of Kashan 	Kashan, Iran

SKILLS

Go • TypeScript • Python • SQL • Bash	Gin • Echo • Node.js • GraphQL • REST APIs • gRPC
PostgreSQL • MongoDB • Redis • RabbitMQ	Git • Linux • Nginx • Docker • Kubernetes

PROJECTS

StreamForge — Concurrent Media Processing Platform  , Backend engineering project focused on Go, concurrency, and asynchronous processing.	2026 – Present
• Designed and implemented a modular backend architecture with Go, Gin, PostgreSQL, Redis, RabbitMQ, and Docker. • Implemented concurrent worker pool patterns using goroutines, channels, and context cancellation. • Built asynchronous job processing workflows using RabbitMQ. • Implemented real-time job progress tracking using Redis. - Written robust table-driven unit tests using Go's built-in testing package to validate concurrent worker pool behavior and edge cases.	
Kahroba VS Code Extension — Programming Language Tooling	2024
Creator & Maintainer GitHub  • Marketplace 	
- Designed and developed a complete VS Code extension from scratch for Kahroba. - Implemented syntax highlighting, language configuration, file association, and reusable code snippets. - Enabled faster development through automated templates for common programming constructs. - Managed the complete lifecycle from development to packaging and marketplace publishing.	
SocialSync — Social Media Platform  ,	2023
Full-stack social networking platform built with the TypeScript ecosystem.	
• Designed and developed a full-stack social networking platform using React, TypeScript, Node.js, Express.js, and MySQL. • Designed REST API endpoints and backend services with secure authentication and user management. • Focused on clean architecture, maintainable code, and end-to-end feature development.	
Digita Webshop — Full-stack E-commerce Platform  , Team-based full-stack e-commerce application.	2022
• Owned backend development, designing and implementing the backend architecture, REST APIs, and core business logic using Node.js, Express.js, and SQL. • Collaborated with frontend engineers using React and TypeScript to deliver end-to-end application features. • Implemented authentication, product management, shopping cart, and order management workflows. • Reviewed backend pull requests, mentored contributors, and maintained backend code quality.	

ADDITIONAL INFORMATION

Military Service	2024 – 2026
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