

Reza Behzadan

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Professional Summary

Versatile software engineer with over 15 years of experience designing and building robust, scalable, and high-performance backend systems. Proficient in Python, Go, and Node.js, with expertise in API development, database integration, and system optimization. Experienced in delivering maintainable, production-grade software across cloud-native and on-premises environments. Passionate about solving complex problems, improving system reliability, and contributing to collaborative, high-performing teams.

Technical Skills

Languages: Go, Python, JavaScript/TypeScript (Node.js), C/C++, Bash

Databases: PostgreSQL, MongoDB, MySQL, Redis

Cloud & Deployment: Docker, GitHub Actions, GitLab CI, Jenkins, ArgoCD, Terraform

Frameworks & Libraries: Express.js, FastAPI, Flask, React

Monitoring tools: Prometheus, Grafana, Sentry

AI/LLM Technologies: LangChain, QDrant, vLLM, OpenLLM

Professional Experience

Tutorify.ai

Backend Engineer

USA (Remote)

Jan 2023 – Present

- Designed and developed scalable backend services in Go and Python, delivering high-performance APIs for education platforms.
- Integrated a Qdrant vector database for efficient semantic search, improving application search features by 40%.
- Collaborated with frontend developers and product managers to implement new features under tight deadlines.
- Enhanced system reliability and user experience by deploying and maintaining observability solutions (Sentry, GCP Monitoring).
- Built CI/CD workflows and infrastructure modules (Terraform) to support consistent application deployment and testing environments.

STN Consulting Engineers Co. (sinic.ir)

Software Developer / System Designer

Tehran, Iran

Jun 2021 – Nov 2024

- Led the development of scalable backend microservices in Node.js and FastAPI, refactoring a legacy monolith into modular services.
- Engineered a database abstraction layer to translate MongoDB-style queries into SQL dialects, enabling seamless multi-database support.
- Migrated and optimized large-scale relational datasets (over 1 billion records with complex geospatial fields) to MongoDB.
- Developed automated deployment pipelines and application scaling strategies to handle 2000+ simultaneous users.
- Contributed to application security hardening, leading to successful certification by Iran's national cybersecurity authority (cert.ir).

Independent

Freelance Software Developer and Consultant

Tehran, Iran

Mar 2015 – Jun 2021

- Designed and developed full-stack web applications using Python (Flask), Node.js (Express), and Go, delivering solutions for e-commerce, internal tools, and data processing platforms.
- Advised mid-sized organizations on system architecture and application deployment strategies, including Docker-based environments and microservices best practices.

Karen Chista Processing Inc.*Senior Software Developer***Tehran, Iran***Mar 2011 – Mar 2015*

- Designed and developed desktop applications in C/C++ and Java, delivering stable and efficient software solutions.
- Improved internal development workflows, accelerating release cycles and enhancing code quality across the team.

Sardu Inc.*Junior Developer & SysAdmin***Tehran, Iran***Oct 2003 – Aug 2007*

- Developed internal tooling in C/C++ and VBA.
- Managed network and server administration tasks.

Education

Girne American University*M.Sc. in Software Engineering, GPA: 3.95 / 4.0***Kyrenia, Cyprus***2007 – 2011***Iran University of Science and Technology***B.Sc. in Civil Engineering, Minor in Geomatics***Arak, Iran***1997 – 2003***Certifications**

May 2025_(Exp.): AWS Certified Solutions Architect – Associate (Scheduled for May 02, 2025)

Languages

Persian: Native

English: Fluent

German: Intermediate (B1)

Turkish: Basic (A2)