

# Reza Saneiyan

.NET Backend Developer — Software Engineer

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## Summary

.NET Backend Developer with 4 years building production-grade messaging infrastructure at Iran's leading SMS platform. I design and ship REST APIs and microservices using C#, ASP.NET Core, Clean Architecture, and event-driven patterns — with a focus on observability, maintainability, and reliability at scale. Open-source maintainer of the official SMS.ir .NET SDK and a Go-based CLI tool for the SMS.ir API.

## Experience

**.NET Backend Developer** May 2022 – Present (~4 yrs)  
*SMS.ir (IPE)* Tehran, Iran

- Architected RESTful APIs and MediatR CQRS handlers for bulk SMS, P2P messaging, scheduled and A/B campaigns, and inbound SMS routing — the public Developer API handled **8M+ requests/day** from external integrators.
- Designed and delivered a developer sandbox mirroring production behavior, enabling cost-free API testing without real traffic or carrier delivery, fully isolated from the live platform.
- Built a plan-based access control system for SMS.ir enforcing per-tier feature gating at scale.
- Developed an FAQ module using Elasticsearch similarity search, enabling accurate natural-language query resolution without exact keyword matching.
- Built the archive reporting service on Elasticsearch for full-text search and multi-field filtering across large datasets, with automatic SQL Server fallback when Elasticsearch was unavailable.
- Executed a zero-downtime server migration using SQL Server pub/sub replication — continuous data sync to the new server with under 5 minutes of cutover downtime.
- Rewrote the Hangfire-based archive service, eliminating recurring job timeouts and cutting processing time to under 5 minutes; resolved a memory leak and reduced application startup time.
- Built invoicing service with Sepidar ERP sync and Parbad payment gateway integration; implemented HTTP API integrations with multiple Iranian telecom operators for message dispatch.
- Conducted code reviews for junior developers, enforcing Clean Architecture and SOLID principles before every production release.
- **Open Source:** Maintainer of [SmsPanelV2.DotNet](#) and [SmsPanelV2.DotNetFramework](#) — the official .NET SDKs for SMS.ir. Author of [smsir-cli](#) (14 stars), a Go-based CLI for the SMS.ir API.

**.NET Developer (Part-time, Remote)** Jan 2025 – Jun 2025  
*Universe AI* Canada

- Integrated ASP.NET Core backend with an AI-powered health platform, connecting REST APIs to ML model endpoints.
- Evaluated Semantic Kernel and Microsoft.Extensions.AI to define the team's .NET AI integration architecture for LLM connectivity.

**Teaching Assistant — Database Systems** Feb 2024 – Jun 2024  
*Damghan University* Damghan, Iran

- Held office hours and reviewed group projects for 40+ students covering SQL Server, T-SQL optimization, relational design, and normalization.

**.NET Developer (Bootcamp / Internship)** Oct 2021 – Jan 2022  
*MAPSA HR and Training* Tehran, Iran

- Completed a 3-month ASP.NET Core program: OOP, EF Core, SQL Server, MVC, Repository pattern, and ASP.NET Core Identity.

## Skills

- **Languages & Frameworks:** C#, ASP.NET Core, .NET 8, .NET Framework, REST API, MVC, SignalR, Fluent-Validation
- **Architecture & Patterns:** Microservices, Clean Architecture, DDD, CQRS, MediatR, SOLID, Repository Pattern, Event-Driven Architecture
- **Data:** SQL Server, T-SQL, Entity Framework Core (EF Core), Dapper, Redis, MongoDB, Elasticsearch
- **Messaging & Jobs:** Hangfire, Message Queues, RabbitMQ (familiarity)
- **DevOps & CI/CD:** Docker, GitLab CI (familiarity)
- **Observability & Testing:** ELK Stack, Serilog/Seq, JMeter, Postman, xUnit, Moq
- **Workflow:** Agile, Scrum, Jira, Trello, Plane, Code Review, Git

## Education

**Bachelor of Engineering (BE) — Computer Software Engineering**  
Damghan University — Oct 2020 – Sep 2025 — Damghan, Iran