HOSSEIN SANJABIAN

Software Engineer / Backend Developer

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Birth: 2002/04/10

EXPERIENCE

Software Engineer (Backend-Focused)

Axeto — 04/2024 - Present — Tehran
axeto.app

- Designed and implemented core backend systems for Axeto Mirror, focusing on scalability, modular architecture, and event-driven workflows
- Upgraded legacy Identity Server to align with OAuth2/OIDC best practices, ensuring secure and clean grant type handling
- Transformed scope-bound logic into event-driven flows for better traceability
- Resolved high-read concurrency issues by introducing read-optimized views, caching, and gradually adopting CQRS for safer write separation
- Led backend design for new commercial product with real-time session tracking (SignalR)
- Refactored legacy services to modern .NET and introduced observability via Seq
- Introduced **outbox** pattern and **saga**-based orchestration for reliable async workflows and long-running operations
- Designed leaky-bucket throttling to prevent guest user flooding and abuse

Software Engineer

Mavaraye Abad Raika — 02/2023 - 04/2024 — Tehran

- Migrated raw SQL-based queries to read-optimized services, improving throughput and reducing load
- Refactored core logic to support dynamic services and real-time campaigns with cleaner separation of responsibilities
- Refactored .NET Framework services into cleaner, modular .NET Core applications

Software Engineer

Simorgh Talaei Abhaye jonob — 04/2022 - 04/2023 — Bandar Abbas

- Designed and implemented a state machine to manage complex permission flows and dynamic status transitions
- Built dynamic forms and UI logic via metadata-driven backends
- Integrated Excel Interop with business logic for internal data exchange and reporting

SKILLS

Frameworks: ASP.NET Core, FastApi, Django, Flask, gRPC, SignalR

Databases: SqlServer, PostgreSQL, MongoDB, Redis

Messaging & Queues: RabbitMQ, Kafka, Redis Stream (theoretical)

Infrastructure : Docker, Git, Linux, CI/CD, ELK Stack

Observability & Telemetry: Seq, ELK Stack, Prometheus, Grafana

LANGUAGES

Persian — Native ●●●●● English — Advanced ●●●○○

FIND ME ONLINE

GitHub
github.com/zenmaxe

LinkedIn
www.linkedin.com/in/sanjabian-hossein/

SUMMARY

Backend-focused Software Engineer with 4+ years of experience in designing and developing scalable, modular systems using .NET Platform and Python. Specialized in domain-driven design (DDD), clean architecture, CQRS/CQS, and real-time communication (SignalR, Web Socket). Skilled in building resilient, event-driven systems, primarily using RabbitMQ.

Experienced in building robust test architecture, including unit, integration, end-to-end, and architecture-level testing, with a strong focus on maintainability and confidence in delivery. I implement observability through structured logging, ELK stack, distributed tracing, and caching strategies to ensure system performance and traceability.

Proficient in asynchronous and distributed communication patterns such as the outbox pattern, saga orchestration, and eventual consistency to handle complex workflows and high-load scenarios. While .NET is my core stack, I am also advancing my Golang skills to deepen my understanding of concurrency, performance, and systems-level thinking.

Passionate about scalable backend architecture, software craftsmanship, and staying at the edge of modern backend development.

PROJECTS

Real-Time Tracking System

Built a lightweight live-tracking demo using SignalR and Redis to simulate driver–customer location updates.

Dextrox – Workflow Engine Prototype

Designed a step-based no-code workflow engine with scoped memory context, rule-based triggers, and modular execution, inspired by BPMN. (Still Working)

Internal Request System – Bandar Abbas Gas Co. (Contract)

Developed a violation tracking and profiling system for gas-purchasing companies to support internal regulatory operations

Mini Research – RAG & Model Context Protocol

Currently exploring advanced AI-integrated backend patterns, and have implemented a reporting system with an AI assistant powered by RAG and Model Context Protocol (MCP)

EDUCATION

Bachelor of Computer Engineering

Payam Noor University of Bandar Abbas
10/2020 - 10/2024

- Grade: 16/20