

Mehdi Mohammadpanah

Senior Back-End Developer · .NET & Microservices · Fintech & Payment Systems
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PROFESSIONAL SUMMARY

Senior Back-End Developer with 8+ years of experience building scalable microservices-based systems in .NET/C#. Specialized in high-throughput financial platforms including Internet Payment Gateway (IPG) and Buy Now Pay Later (BNPL) microservices. Expertise in distributed systems, concurrency control, message-driven architecture (RabbitMQ/MassTransit), Saga orchestration, and multi-tier caching (Redis, Distributed Cache). Strong background inDDD, Clean Architecture, CQRS, and SOLID principles.

CORE SKILLS

Languages	C#, .NET 6/7/8, ASP.NET Core
Architecture	Microservices, DDD, Clean Architecture, CQRS, Saga, Factory, Facade, Rule Design Pattern
APIs & Messaging	REST, API Gateway, Ocelot, gRPC, SignalR, RabbitMQ, MassTransit
Data & Cache	SQL Server, PostgreSQL, MongoDB, EF Core, Dapper, Redis, Distributed Cache, In-Memory Cache
Background Jobs	Hangfire
Observability	Elasticsearch, ELK Stack, NLog
DevOps & QA	Git, GitHub, Unit Testing
Fintech Domain	IPG, BNPL, Multi-bank Gateway Integration, Concurrency Control, Idempotency, SSO

WORK EXPERIENCE

Senior Back-End Developer | Ozon ,Golrang Co

Nov 2024 – Present | Tehran, Iran

- Architected IPG Microservice for high-throughput banking transactions; integrated multiple bank gateways via Factory & Facade patterns under a unified abstraction layer.
- Engineered BNPL Microservice managing complex credit payment workflows; applied Rule Design Pattern to encapsulate dynamic eligibility and installment-plan business logic.
- Resolved payment concurrency issues via distributed locking and idempotency controls, preventing duplicate transactions under concurrent load.
- Orchestrated cross-service financial workflows using Saga pattern (MassTransit), ensuring eventual consistency across payment, credit, and notification services.
- Implemented multi-tier caching (Redis + In-Memory Cache) achieving sub-100ms response times; managed async messaging with RabbitMQ/MassTransit (pub/sub, dead-letter queues).
- Designed API Gateway routing (Ocelot) with centralized auth and rate-limiting; scheduled background jobs (settlement, BNPL reminders) via Hangfire.

Tech: C#, .NET 8, ASP.NET Core, SQL Server, Redis, RabbitMQ, MassTransit, Hangfire, Ocelot, DDD, CQRS, Saga, Factory, Facade, Rule Pattern, Distributed Cache

Software Developer | Kahkeshan Group Co.

Feb 2025 – Present | Tehran, Iran

- Built RESTful APIs with backward-compatible versioning; implemented SignalR real-time layer for cross-platform clients with per-user delivery and group channels.
- Modelled domain data in MongoDB (embedding vs. referencing); adopted Microservices aligned to business capabilities for independent deployment.

Tech: C#, .NET, ASP.NET Core, MongoDB, RESTful APIs, SignalR, Microservices

Software Developer | Sampad – Ministry of Education

Sep 2022 – Feb 2025 | Tehran, Iran

- Integrated 40+ legacy systems into a unified Microservices architecture; authored the enterprise RFP specifying high-assurance controls across DB, network, and application layers.
- Consolidated polyglot persistence layer: Redis (cache), SQL Server (transactional), Elasticsearch (search/analytics); implemented SSO across all integrated systems.

Tech: C#, .NET, ASP.NET Core, SQL Server, Redis, Elasticsearch, Microservices, SSO

Product Manager | Ministry of Education

Jan 2020 – Sep 2022 | Tehran, Iran

- Led migration of legacy Windows app to web platform using DDD (bounded contexts); defined SLAs and coordinated 3 vendors across DB, services, and mobile workstreams.

Tech: DDD, Requirements Engineering, Vendor Coordination, Performance & Security**Web Developer | BehinSarma**

Sep 2018 – Jan 2020 | Tehran, Iran

- Designed microservices with gRPC (sync) and RabbitMQ (async); applied CQRS + Dapper for high-throughput reads; introduced Redis caching; implemented Saga for cross-service consistency.

Tech: C#, .NET, gRPC, RabbitMQ, CQRS, Dapper, Redis, Saga, Facade, Unit Testing**Web Developer | Kurd PG – Dept. of Education**

Sep 2016 – Sep 2018 | Tehran, Iran

- Built self-declaration platform with region-specific questionnaires; real-time two-way chat via SignalR; secure file transfer with JWT and cookie-based auth.

Tech: ASP.NET, C#, SignalR, SQL Server, JWT**EDUCATION & CERTIFICATIONS**

Bachelor of Education Science – Maghsodi University of Hamadan

2013 – 2016

Full-Stack Back-End .NET Bootcamp – BugeTo Institute, Tehran**ASP.NET Course** – FaraDars, Tehran