

Amir Nejad

Senior Software Engineer

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PROFESSIONAL SUMMARY

Results-driven **Senior Software Engineer and M.Sc. Candidate in AI** with 5+ years of cross-domain experience in **FinTech, InsurTech, and AI-driven solutions**. Adept at modernizing legacy architectures and building scalable microservices (.NET) while seamlessly integrating machine learning models and MLOps pipelines. Proven track record in full-cycle development, from conceptualizing real-time AI tools (Python, LangChain) to optimizing enterprise-level systems. Dedicated technical instructor with 1,000+ hours of teaching experience, passionate about empowering teams and leveraging technology to solve complex industry challenges.

WORK EXPERIENCE

SEP (Saman Electronic Payment) – Hybrid

Senior Software Engineer

Dec 2024 – Present

Contributing to "724" (a leading financial Super App). Acting in a **Senior capacity** within the Mobile Solutions Department, focusing on architectural modernization and feature ownership.

- **Payment Gateway Modernization:** Spearheaded the architectural refactoring of the legacy payment structure, designing a modern, scalable gateway to support diverse microservices and ensure high availability for millions of daily transactions.
- **Feature Ownership (Loan Service):** Acted as the Technical Owner for the Loan Service; led the end-to-end development and integration with external Bank APIs, representing the technical team in architectural alignment meetings.
- **Project Lead (RAJA Integration):** Took full ownership of the "Train Ticket Sales" microservice. Orchestrated development workflows and facilitated collaboration among senior engineers, ensuring seamless third-party integration and successful release management.
- **AI & Innovation:** Proactively engineering an internal AI Chatbot using **Python and LangChain**, implementing **RAG pipelines** to enhance automated support and user interaction.
- **System Reliability:** Conducting proactive monitoring and performance tuning using observability tools to ensure 99.9% uptime and rapid bug resolution.

AZKI – Hybrid

Software Engineer

Feb 2024 – Nov 2024

- Designed and maintained high-performance microservices using **ASP.NET Core, PostgreSQL**, and **Clean Architecture**.
- Collaborated with cross-functional teams to identify system bottlenecks, successfully doubling **system reliability** through strategic code refactoring and bug resolution.
- Automated data-related tasks using **Python**, streamlining development processes and enhancing team efficiency.

Entekhab Group – On-site

Backend Developer

Feb 2023 – Feb 2024

- Played a key role in the migration from Monolithic to Microservices architecture, significantly improving system scalability.
- Optimized backend performance for Entekhabeman.com, resulting in a 20% increase in user engagement.
- Engineered a high-speed Search Microservice using **Elasticsearch**, **Kafka**, and **CQRS**, achieving a 120% improvement in search query performance.

Naprolity Company – Hybrid

Software Engineer

May 2019 – Apr 2022

- Developed multiple ASP.NET Core solutions, boosting overall system efficiency by 35%.
- Built secure APIs for authentication and payment gateways, improving transaction reliability by 50%.
- Implemented real-time financial dashboards using **SignalR** and contributed to AI-powered object detection tools.

SKILLS

- **Backend & Frameworks:** C#, .NET, ASP.NET Web API, Python, SignalR, Entity Framework Core, Dapper.
- **Architecture & Patterns:** Microservices, Domain-Driven Design (DDD), CQRS, Clean Architecture, RESTful APIs, TDD.
- **Databases & Storage:** SQL Server, PostgreSQL, MongoDB, Elasticsearch, Redis.
- **Message Brokers:** Apache Kafka, RabbitMQ.
- **DevOps & Tools:** Docker, Kubernetes (Basic), CI/CD (GitLab/GitHub Actions), Git.
- **AI & Emerging Tech:** RAG (Retrieval-Augmented Generation), LLMs, LangChain (Basic).

EDUCATION

Master of Science in Computer Science (Artificial Intelligence)

Islamic Azad University Science and Research Branch | Expected 2026

- **GPA:** 4/5
- **Thesis:** Design of an MLOps System for Real-Time Object Detection with a Focus on Multi-Objective Optimization.
- **Key Focus:** Bridging Software Engineering and AI through scalable pipeline design.