

Amir Kafi

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PROFESSIONAL SUMMARY

Backend Software Engineer with over 4 years of professional experience designing, developing, and maintaining scalable backend systems using C# / ASP.NET and Python. Strong background in clean architecture, domain-driven design, and microservices . Proven ability to work on performance-critical and distributed systems . Experienced in refactoring legacy systems into modern, maintainable architectures.

Hard-Skills

C# | ASP.Net | Python | FastAPI | OpenCV | Sql | Kafka | Redis | Docker | Git

Soft-Skills

Continuous learning | Teamwork | Flexibility | Dedication | Clean code

EXPERIENCE

Freelance(Account Fa), Remote – Back-End Developer

May 2025 – Present

- Designing and developing a **production-grade e-commerce backend** using **ASP.NET Core** following **Clean Architecture** principles.
- Implemented **CQRS pattern** using **MediatR** to improve separation of concerns and maintainability.
- Designed a **role-based authorization and permission system** supporting multiple access levels.
- Integrated **ZarinPal payment gateway** for secure online transactions.
- Developed integrations with **external service providers** for digital goods fulfillment (e.g., Apple ID, gift cards, VPN accounts).
- Worked with **MySQL** as the primary database and optimized data access patterns.
- Utilized **reflection-based mechanisms** where appropriate to support extensibility and dynamic behavior.

Tank, Iran,Qom – Python Developer

Oct 2024 – May 2025 | 8 Months

- Developed backend services and internal tools using Python for computer vision and data-processing workloads.
- Designed and implemented a **lightweight, distributed face detection system** for CCTV footage with a focus on **performance and low resource usage**.

- Fine-tuned and integrated **pre-trained face detection models** to improve detection accuracy and runtime efficiency.
- Implemented a **worker-based architecture** enabling horizontal scaling across multiple devices using **Apache Kafka**.
- Built and containerized services using **Docker**, enabling consistent deployment across environments.
- Worked with **ONVIF protocol** to integrate CCTV camera streams into processing pipelines.
- **Technologies:** Python, OpenCV, PyTorch, TensorFlow, YOLO, Kafka, Redis, Docker

HicoSoft, Iran,Qom – *Back-end developer*

Sep 2020 – Sep 2024 | 4 Years & 1 Months

- Developed and maintained a **modular waste management system** serving real production use cases.
- Designed backend components using **ASP.NET MVC / ASP.NET Core** with **Clean Architecture** and **DDD principles**.
- Worked extensively with **SQL Server**, using **Entity Framework, Dapper**, and optimized raw SQL for performance-critical operations.
- Refactored a legacy monolithic system and contributed to its migration toward a **microservices-based architecture**.
- Collaborated closely with frontend and product teams to deliver maintainable and scalable backend solutions.
- **Technologies:** C#, ASP.NET Core, SQL Server, Entity Framework, Dapper, JavaScript, jQuery

EDUCATION

Islamic Azad University, Iran,Qom – *Computer Engineering*

Jan 2025 – Present

Interests

- Data Science & Machine Learning
- Golang
- CyberSecurity