



Mahdi Kouhestani

Software Engineer

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📍 Isfahan, Iran

in LinkedIn

🐙 Github

👤 Profile

A graduated developer with a strong academic background and strong problem-solving abilities. Experienced .NET Developer with 6 years of experience and a solid work tenure in a wide range of .NET development aspects for businesses focused on travel services, accounting, e-commerce, and marketing. Highly adept in all development stages, from initial analysis through design, prototyping, implementation, and execution.

💡 Skills

Programming Languages

C#, Go

Frameworks

.Net Framework, .Net Core, Entity Framework Core, Gin

Technologies

SQL Server, PostgreSQL, NoSQL, Redis, RabbitMQ, Kafka, Docker, Kubernetes, Unit Test, xUnit, SignalR, CI/CD, LINQ, gRPC, Git

Principles

OOP, AOP, DDD, DRY, TDD, Clean Code

📁 Professional Experience

MrBilit (A travel agency focused on travel-related services like airplane bookings and hotel reservations) ☑

Backend Developer

2020/06 – Present | Isfahan, Iran

- Migrating a legacy monolith reservation system to microservice and using dotnet core causes improvements in performance and deployment time (54% and 35%, respectively)
- Optimizing the response time of the APIs by 20% by using cache
- Preventing duplication of requests and concurrency issues in requests by using a distributed lock
- Restricting the number of requests in order to prevent brute-force attacks by using a rate limiter
- Developing a modular payment service for multiple payment providers, which processes over 10,000 daily payments
- Reducing the fault rate in sending messages by queuing messages in RabbitMQ

Technical Skills: C#, .Net, ASP.Net Core, Entity Framework Code, SQL Server, Redis, Hangfire, RabbitMQ, SignalR, gRPC, Kafka, Unit Test, xUnit, Go, Gin, GORM

AccTech Technology Kish, Fullstack Developer ☑

2019/06 – 2020/06 | Isfahan, Iran

- Converting a legacy .Net application to dotnet core to improve performance and dockerizing the application
- Developing a custom permission-base authorization method supporting the OAuth protocol
- Creating an online shop by using NopCommerce

Technical Skills: C#, .Net, ASP.Net Core, Entity Framework Core

Parsian Hesab, Software Engineer ☑

2017/02 – 2019/04 | Isfahan, Iran

- Using SQL queries and stored procedures to improve speed in extracting complicated accounting reports
- Creating an automatic installer for the application allows you to install the application and its dependencies with one click

Technical Skills: C#, .Net, ASP.Net, Entity Framework, SQL Server, Windows Forms, Stimulsoft

📁 Projects

Lanter Club, a website for a language institution to manage its classes, students and accounting ☑

- Using MemCache and a second-level cache interceptor in EF Core to optimize the response time of the APIs by 25%
- Deploying in-process messaging to send messages by using MediatR
- Using AutoMapper to reduce the time of writing Dtos and mapping in the DDD approach

Stock Market Crawler, Crawling all Iran stock market data ☑

- Crawling the web pages of the Iran stock market and retrieving needed data
- Sending concurrent HTTP requests in parallel tasks to prevent missing any data (every 5 seconds)
- Storing non-relational and flowing stock data in MongoDB to increase insertion time

🎓 Education

Bachelor, Computer Engineering, Isfahan University

Isfahan, Iran