

MOHAMMAD ALI TORABI

Senior Backend .NET Engineer | Architecture, Modernization, Data & Search Performance

12+ years delivering and operating production software end to end

Tehran, Iran | hi@alitorabi.dev | alitorabi.dev | [LinkedIn](#) | [GitHub](#)

PROFESSIONAL SUMMARY

Senior Software Engineer with 12+ years of experience designing, modernizing, and operating production .NET systems. Combines backend architecture, database and search performance, legacy modernization, infrastructure, and long-term production ownership. Has independently delivered systems serving hundreds of thousands of daily users, millions of requests, and multi-million-record search workloads.

TECHNICAL SKILLS

Backend: C#, .NET Framework, .NET 10, ASP.NET Core, Minimal APIs, ASP.NET MVC, Web API, Entity Framework Core, MediatR, CQRS, REST APIs, JWT, FluentValidation

Architecture: Domain-Driven Design, Clean Architecture, legacy modernization, background processing, Outbox Pattern, concurrency control, caching, API design

Data & Search: SQL Server, PostgreSQL, Redis, SQL Server Full-Text Search, Lucene.NET, database design, migrations, query and index optimization

Infrastructure: Docker, Docker Compose, Linux, Nginx, Windows Server, IIS, Cloudflare, Serilog, Seq, background services

Frontend (supporting): Next.js, React, JavaScript, Material UI, Bootstrap, HTML, CSS

PROFESSIONAL EXPERIENCE

Magiran - Senior Software Engineer (.NET) | Tehran, Iran

Aug 2017 - Present

- Own the technical evolution of Magiran, an academic indexing and digital publishing platform, across architecture, backend development, database design, search, deployment, monitoring, and production operations.
- Modernized a long-lived .NET platform serving 600K+ daily users and 2.9M+ daily requests while preserving backward compatibility and operational continuity.
- Rebuilt Persian-language search and query-processing capabilities for an index of 5M+ records, improving search performance by 5-10x.
- Automated heterogeneous XML content ingestion, reducing publication processing from 10-20 minutes to a few seconds and improving throughput by 20-50x.
- Redesigned core database structures and executed large-scale migrations for a production SQL Server database exceeding 412 GB.
- Built and maintained caching, background services, administrative systems, multi-server synchronization, monitoring, and deployment workflows as the platform's sole software engineer.

Fakoor Meghnatis Spadana - Contract Software Engineer

2020 - 2021

- Rebuilt the company's internal desktop time-tracking application as an ASP.NET Core and EF Core web system after being invited back by the original client.
- Delivered the web version in approximately three months, including role-based authorization, centralized administration, reporting, deployment, and training; then provided about one year of support.

PROFESSIONAL EXPERIENCE (CONTINUED)

Iranians History On This Day - Contract Software Engineer

2017

- Hired by Magiran's manager, the site's original designer, to redesign and rebuild a multilingual historical-content platform supporting Persian, English, and Cyrillic scripts.
- Completed the project in approximately six months, including installation and legacy-data migration workflows; the successful delivery led to an invitation to join Magiran.

Fakoor Meghnatis Spadana - Software Consultant / Software Engineer

2014 - 2017

- Joined initially as a software consultant; after two months of requirements and solution analysis, took full ownership of the TimeSheet Desktop project.
- Designed and delivered the C#, Windows Forms, Entity Framework, and SQL Server client-server system in approximately six months, then maintained and supported it through 2017.
- Created the database model, analytical management reports, automated installation, and user training.

Gol Angabin Honey - Software Engineer & Retail Operations

2015 - 2017

- Worked in the family business, designed and built the Gol Angabin website, and contributed directly to in-store sales and day-to-day retail operations.
- Gained practical experience with customer needs, product sales, and retail workflows that later informed the Torabi Honey platform.

SELECTED PERSONAL PROJECT

Torabi Honey - Founder, Software Architect & Solo Developer

May 2024 - Present

- Designed, built, and deployed a production e-commerce platform as a side project to stay current with modern technologies and deepen end-to-end product experience.
- Applied Clean Architecture and Domain-Driven Design with CQRS, domain events, the Outbox Pattern, and background workers for reliable asynchronous processing.
- Implemented payment and order consistency controls using optimistic concurrency and row-level locking.
- Built Persian full-text search with Lucene.NET, Redis caching, autocomplete, filtering, and zero-downtime index updates.
- Containerized .NET 10 Minimal APIs, Next.js 16, PostgreSQL, Redis, Nginx, and centralized logging with Docker Compose; deployed to production in July 2026.

Live: torabihoney.com | Case study: alitorabi.dev/project/torabi-honey/

EDUCATION

Bachelor of Software Engineering - Islamic Azad University, Roudehen (2013)

LANGUAGES

Persian - Native | English - B2