

IRFAN ARSLAN

[in LinkedIn](#) | [0505 119 2365](tel:05051192365) | irfanarslan.com | irfanarslaann@gmail.com | [GitHub](#)

Professional Summary

Senior Backend Engineer with 6+ years of experience designing, developing and modernizing enterprise backend systems using C#, .NET, and Microservices Architecture. Experienced in designing scalable REST APIs, distributed systems, caching strategies, messaging infrastructures, search platforms, and secure enterprise integrations. Strong background in Clean Architecture, SOLID principles, performance optimization, security best practices, and legacy modernization. Passionate about building maintainable, high-performance software while improving code quality, developer productivity, and system reliability.

Core Competencies

- **Backend & Architecture:** C# .NET Core, .NET 6+, Microservices Architecture, RESTful API Design, Middleware & Cross-Cutting Concerns, Distributed Caching (Redis, Couchbase, In-Memory), Elasticsearch, Entity Framework (EF) Core, Advanced Query Optimization, Repository Pattern, SOLID Principles, Object-Oriented Programming (OOP)
- **Messaging & Background Processing:** RabbitMQ, Hangfire, Background Workers
- **Databases & NoSQL:** MSSQL, PostgreSQL, MongoDB, NoSQL Systems
- **DevOps & Infrastructure:** Docker, Kubernetes, Jenkins (CI/CD), Logging (Serilog + Elasticsearch), Git
- **Frontend Development:** React.js, Redux, Context API, Single Page Application (SPA) Architecture
- **Software Testing:** NUnit, Moq

Professional Experience

OBSS Technology

Ankara / Turkiye 01/2024 - Current

Senior Backend Developer

Environment : C# , .NET 6+ , ASP.NET Core , Microservices , SQL Server , Entity Framework Core , Redis , Couchbase , Elasticsearch , RabbitMQ , Vault , NUnit , Moq

- **Garanti BBVA - Technology Modernization**
 - Modernized legacy banking applications by migrating components to the modern .NET ecosystem.
 - Refactored legacy codebases to improve maintainability and reduce technical debt.
 - Built reusable backend infrastructure following Clean Architecture and SOLID principles.
 - Improved application security by implementing centralized secrets management with Vault.
 - Applied secure configuration standards across services and deployment pipelines.
 - Participated in large-scale legacy modernization initiatives to reduce technical debt and improve development efficiency.
- **Penta Digital – Enterprise Dealer Management Platform**
 - Designed and developed scalable REST APIs using .NET 8.
 - Built reusable middleware and shared backend components.
 - Optimized Entity Framework Core queries and database access for improved application performance.
 - Designed distributed caching architecture supporting Redis, Couchbase, and In-Memory Cache providers.
 - Developed Elasticsearch indexing and advanced search capabilities.
 - Wrote unit tests using NUnit and Moq.
 - Developed cross-cutting components such as authorization filters, permission filters, file upload filters, and request logging middleware.
- **Penta Contract Management – Enterprise Contract Management Platform**
 - Designed and developed backend services for a digital contract management platform.
 - Developed scalable RESTful APIs using .NET 8.
 - Implemented authorization, request logging, IP restriction and file upload middleware.
 - Improved long-term maintainability through standardized backend architecture.

IRFAN ARSLAN

[in LinkedIn](#) | [0505 119 2365](tel:05051192365) | irfanarslan.com | irfanarslaann@gmail.com | [GitHub](#)

[ldvllabs](#)

Ankara / Turkey 02/2022 - 01/2024

Full Stack Developer

Environment : C# , .NET Core , React , Redux , SQL Server , Elasticsearch , Serilog

• Virtual POS For United Payment Azerbaijan

- Led backend architecture design for a virtual POS and payment management platform.
- Developed secure RESTful APIs using .NET Core.
- Integrated Kapital Bank payment gateway APIs for secure payment authorization, transaction processing, and settlement operations.
- Implemented fraud detection and fraud verification integrations to enhance transaction security.
- Produced and maintained comprehensive API documentation using OpenAPI (Swagger) for internal and third-party consumers.
- Built React-based management dashboards for payment operations.
- Built centralized logging and monitoring infrastructure using Serilog and Elasticsearch.
- Applied Clean Architecture, SOLID principles, and reusable design patterns across the application.

[Teknik Destek Grubu](#)

Ankara / Turkey 07/2021 - 02/2022

Full Stack Developer

Environment : Node.js , Express , React , MongoDB , RabbitMQ , Chart.js , amCharts

• Structural Health Monitoring System

- Designed and developed backend services using Node.js and Express for a real-time structural health monitoring platform.
- Designed and implemented RabbitMQ-based messaging architecture for asynchronous and event-driven data processing.
- Processed and persisted high-volume real-time sensor data into MongoDB.
- Developed RESTful APIs for data collection, monitoring, and reporting services.
- Built React-based Single Page Application (SPA) dashboards for real-time monitoring and visualization.
- Developed interactive data visualization components using Chart.js and amCharts.
- Optimized data processing workflows to ensure reliable handling of continuous sensor streams.
- Integrated field devices and external data sources into the monitoring platform.

Junior Software Developer

[SBOsoft](#)

Ankara / Turkey 02/2020 - 06/2021

Environment : Java , PHP , Python , Flask , Vue.js , MySQL , spaCy

• VulnIQ Cyber Security Management Platform

- Designed and developed backend RESTful APIs using Java and PHP.
- Built frontend modules using Vue.js for vulnerability management and reporting.
- Integrated Nmap to automate network discovery and vulnerability assessment workflows.
- Collected, processed, and normalized vulnerability intelligence from multiple external security sources.
- Developed NLP-based services using Python, Flask, and spaCy for Named Entity Recognition (NER), text classification, and vulnerability summarization.
- Wrote unit tests using JUnit.

Education

Bachelor's Degree

[Anadolu University](#)

Ankara / Turkey

09/2026 - Active

- Management Information Systems

[Gazi University](#)

Ankara / Turkey

08/2016 - 02/2019

Associate of Science

- Computer Science And Programming

References

- References available upon request.