

Furkan Şahin

Backend Software Developer

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Summary

Backend-focused Software Developer with hands-on experience building and operating high-volume messaging platforms in .NET. Strong background in designing RESTful and SOAP APIs, asynchronous processing with RabbitMQ, and event-driven microservices architectures. Experienced with SQL databases (MySQL, PostgreSQL, MSSQL) and distributed caching (Redis, Apache Ignite). Hands-on experience with DevOps practices including Docker, Jenkins pipelines, and Linux server management. Committed to applying SOLID principles and writing clean, maintainable code.

Technical Skills

Core Backend:	C#, .NET Core, ASP.NET Core, Entity Framework Core, SQL
Architecture & Patterns:	Microservices, CQRS, MediatR, SOLID, REST APIs, SOAP
Messaging & Async Systems:	RabbitMQ, Event-driven Architecture, SignalR, Hangfire, Async Programming
Databases & Caching:	PostgreSQL, MySQL, MSSQL, Redis, Apache Ignite
DevOps & CI/CD:	Docker, Jenkins, CI/CD Pipelines, Linux, Git, Bitbucket
Practices:	Unit Testing (xUnit), Code Reviews, Agile/Scrum

Experience

Software Developer, Mobiliva Jun 2023 – Present

- Designed and maintained high-throughput SMS APIs (REST, SOAP) using .NET Core in production environments.
- Designed and maintained an event-driven microservices architecture with RabbitMQ, enabling loosely coupled asynchronous communication between distributed services.
- Integrated real-time communication with SignalR sockets alongside asynchronous processing.
- Developed a custom identity and authorization service with role- and permission-based access controls.
- Optimized queries and stored procedures for MySQL, PostgreSQL, and MSSQL to improve response times; ensured multi-database compatibility for on-premise deployments.
- Integrated distributed caching using Redis and Apache Ignite to improve system performance.
- Implemented CI/CD pipelines using Jenkins and Docker, managing containerized deployments on Linux servers.
- Applied CQRS and MediatR patterns to improve the maintainability and scalability of service design.
- Developed and published internal NuGet packages to streamline shared functionality across projects.
- Wrote unit tests with xUnit; collaborated in Scrum teams using Jira, Git, and Bitbucket.
- Assisted in migrating legacy .NET Framework applications to .NET Core and performed code reviews for PHP and Java to .NET conversions.

Software Developer Intern, Bilgeadam Technology Feb 2023 – Apr 2023

- Contributed to developing an online examination system with ASP.NET Core MVC in an Agile/Scrum environment.

Freelance Transcriber, Productive Playhouse Feb 2020 – Nov 2022

Structural Engineer, Yapı Akademisi Engineering Sep 2021 – Jun 2022

Site Engineer Intern, Freysaş Freyssinet Jun 2019 – Jul 2019

Education

Istanbul University (Open Education), BS in Management Information Systems Sep 2024 – Present

Bilgeadam Academy, Boost Software Developer Training Program Aug 2022 – Jan 2023
6-month intensive full-stack training: C#, ASP.NET Core MVC, JavaScript, HTML/CSS, SQL Server, and Agile/Scrum practices.

Istanbul Technical University (ITU), BS in Civil Engineering (100% English) Sep 2015 – Feb 2021