



AYTUG EREN

SENIOR SOFTWARE DEVELOPER

CONTACT

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SKILLS

Backend: .NET 6/8, C#, ASP.NET Core, gRPC, MassTransit

Databases: MSSQL, PostgreSQL,

MongoDB, Redis, Couchbase

Messaging: RabbitMQ

Search: Elastic

Devops: Docker, Ocelot Gateway, Kibana

EDUCATION

Istanbul Bilgi University

B.Sc. in Computer Engineering

2017-2020

Anadolu University

Associate Degree in Computer Programming

2013-2017

LANGUAGES

English - Professional Working Proficiency

CERTIFICATES

Udemy

Microservices Architecture and Implementation .NET 7

DeFacto

MyTech Mentor - Mentorluk Eğitimi

PROFILE

Passionate and results-driven Senior Software Developer with 5 years of hands-on experience in designing, developing, and optimizing scalable backend systems using .NET technologies, MS SQL, Elasticsearch, NoSQL databases, message queues, and distributed caching layers.

I view continuous learning as a core philosophy and approach software engineering as both a profession and a craft. Recognized for quickly understanding complex architectures, taking full ownership of development lifecycles, and delivering high-quality, maintainable solutions.

Skilled at architecting end-to-end solutions while also diving deep into technical internals—such as request lifecycles, memory usage, and background processing. Proven ability to troubleshoot, refactor, and enhance high-traffic catalog systems for performance and reliability.

WORK EXPERIENCE

SENIOR SOFTWARE DEVELOPER

DeFacto Technology, Istanbul/Kucukcekmece

Jul 2020 - Present

- Led the transition of several modules from a monolithic architecture to microservices, actively contributing to planning and development phases using .NET 8, PostgreSQL, and Redis.
- Contributed to feature development in product, catalog, and campaign services.
- Designed and implemented event-driven workflows with RabbitMQ (MassTransit), including message contracts, durable queues, and dead-letter policies to ensure fault tolerance and loose coupling.
- Extensively utilized Elasticsearch for advanced product search, analytics, and real-time logging; optimized data synchronization between SQL and Elastic.
- Implemented Couchbase as a distributed caching layer, significantly improving API response times and horizontal scalability.
- Followed Agile/Scrum methodologies with Jira for backlog grooming, sprint planning, and performance tracking.
- Used Kibana and Elastic Stack to monitor logs, detect anomalies, and resolve production issues in real time.

PERSONAL PROJECTS

ECOMMERCE SYSTEM WITH MICROSERVICES

Designed and developed a modular e-commerce system using microservice architecture with a focus on scalability, decoupling, and modern communication patterns.

- Catalog Service: Built with PostgreSQL using a clean layered architecture (API, Application, Domain, Infrastructure).
- Basket Service: Utilized Redis for in-memory data storage and RabbitMQ for event-based communication.
- Discount Service: Implemented using gRPC for fast inter-service communication and MS SQL Server as the database.
- Ordering Service: Developed with .NET layered architecture and integrated RabbitMQ for asynchronous order processing.
- Employed MassTransit as the abstraction layer for RabbitMQ to handle messaging between Basket and Ordering services.
- Used Ocelot API Gateway to route and secure client requests across services.
- Containerized the entire system with Docker for easy deployment and scalability.