

Fatih Kayaci

.NET Backend Developer | Clean Architecture | SaaS & Real-Time Systems

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PROFESSIONAL SUMMARY

Backend Developer focused on the .NET ecosystem with a strong track record in delivering SaaS products. Co-launched a commercial multi-tenant SaaS platform validated for 10,000 concurrent users. Lead end-to-end backend operations, including system design, API development, CI/CD, and Linux infrastructure.

TECHNICAL SKILLS

Backend: C#, .NET 9, ASP.NET Core Web API, Entity Framework Core, LINQ, async/await
Architecture: Clean Architecture, CQRS (MediatR), Repository + Unit of Work, SOLID, DDD
Messaging: RabbitMQ (durable queues, manual ack), SignalR (real-time push)
Database: PostgreSQL, MS SQL Server, EF Core Migrations, SQL query optimization
DevOps: Docker Compose, GitHub Actions CI/CD, Git, Linux server administration
Testing: xUnit, Moq, AAA pattern, isolated unit testing
Frontend: React 19, TypeScript, Tailwind CSS, Axios, SignalR Client

PROJECTS

RestaurantBill — POS & Kitchen Display System

[GitHub](#) / [Live demo](#)

.NET 9 • Clean Architecture • CQRS/MediatR • RabbitMQ • SignalR • PostgreSQL • JWT • React 19 • Docker • xUnit

- Designed full-stack POS system with strict Clean Architecture layer separation — Domain layer has zero framework dependencies, enabling full testability without database or HTTP.
- Implemented CQRS with MediatR pipeline behaviors for centralized validation (FluentValidation), logging, and performance monitoring as cross-cutting concerns.
- Engineered real-time kitchen notifications using RabbitMQ durable queues for guaranteed delivery even when the Kitchen Display System is offline, combined with SignalR for instant browser push.
- Secured all endpoints with JWT role-based authorization (Admin, Waiter, Kitchen, Cashier) using ASP.NET Core Identity with custom claims and middleware.
- Wrote 30+ isolated unit tests (xUnit + Moq) with full Application layer coverage — no database or migrations required.
- Containerized the entire stack with Docker Compose (API, Frontend, PostgreSQL, RabbitMQ) with health checks and automated CI via GitHub Actions.

EXPERIENCE

Cyfttech

katsis.com.tr

Founding Backend Engineer • Product: Katsis

2023 – Present

- Co-founded and shipped a multi-tenant SaaS building management platform from zero to commercial launch — currently onboarding first paying customers on a monthly subscription model.
- Validated system capacity through load testing, confirming stable performance for 10,000 concurrent users under production-like conditions
- Led backend architecture end-to-end: system design, API development, database modeling, and full Linux server setup including deployment pipelines and production infrastructure.
- Collaborated across the full product lifecycle (requirements → architecture → development → testing → deployment) in a tight 3-person team with fast iteration cycles.
- Tech Stack:** PHP, MySQL, Linux, CI/CD

IAS (Industrial Application Software)

Istanbul, Turkey

Software Developer Intern

Nov 2023 – Dec 2023

- Developed enterprise ERP modules following SOLID principles within a structured team environment with code review processes.
- Optimized SQL queries for business reporting, reducing data retrieval times on high-volume datasets.

EDUCATION

Sivas Cumhuriyet University

Sivas, Turkey

M.Sc. Computer Engineering — Sep 2025 – Present

B.Sc. Computer Engineering — Graduated 2025