

# Hamit Abdullah Sarmis

## Senior .NET Engineer

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### PROFILE

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Senior .NET engineer with 15+ years of experience designing and building high-performance, scalable systems across gaming, banking, and enterprise platforms. Currently at a sports technology company in Denmark, working across multiplayer gaming, AI motion analysis integration, and .NET runtime performance with .NET Core, SignalR, and GraphQL.

Deep expertise in the full .NET ecosystem (C#, ASP.NET Core, WCF, WPF), distributed messaging (Kafka, RabbitMQ), and modern web frontends (Angular, TypeScript). Proven track record in legacy modernization, enterprise framework design, and resolving complex .NET CLR performance issues.

### SKILLS

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C#, TypeScript, JavaScript, .NET, .NET Core, ASP.NET Core (Web API, MVC), WPF, Angular, Apache Kafka, RabbitMQ, Docker, Azure

### EXPERIENCE

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#### Senior Software Developer - Sports Technology Company (Denmark)

July 2022 - Present

- Online Multiplayer Gaming with SignalR — Built the communication layer for a turn-based multiplayer game, relaying packets from the Unity client through SignalR to all players in the online lobby.
- Leaderboard Service — Investigated and debugged production issues in the leaderboard service, working through score ingestion, ranking logic, and high-throughput query patterns to isolate root causes.
- 3D AI Motion Analysis Integration — Worked on a production integration with a vendor's Python+CUDA image-processing service, contributing to the .NET pipeline that streams video to the analyzer and renders 3D visualizations from the returned motion data.
- Performance Engineering — Diagnosed and resolved production memory leaks and .NET CLR-level performance issues using memory profilers and runtime diagnostics, improving system reliability across services.

#### Tech Lead - Tier-1 Turkish Bank

Nov 2021 - June 2022

- Architecture & Tech Direction — Architectural and technical lead across the core banking platform, driving design decisions and setting technical direction across the .NET, web, and messaging stack.
- WCF to ASP.NET Core Migration — Designed and built a proof-of-concept for migrating the bank's legacy WCF infrastructure — a portfolio of thousands of .svc endpoints — to ASP.NET Core minimal APIs while preserving the original dynamic hosting model with ESB registry-based routing and binary+deflate SOAP compatibility. Led the design and partnered with the team to deploy the new hosting layer for an initial set of services in production.

#### Senior Software Developer - Tier-1 Turkish Bank

Jan 2016 - Nov 2021

- Tablet-based Teller Integration — Built a real-time integration between a core banking application and a USB-tethered Android tablet using HTML5 and SignalR over WebSocket, with adb reverse tcp for low-latency local communication. Enabled live teller-customer interaction at the counter and significantly reduced paper-based workflows in branch operations.
- Angular UI Designer Tool — Designed and developed a drag-and-drop Angular UI generation tool that allowed teams to compose screens visually, dramatically cutting down the time required to build standard CRUD and form-based interfaces.
- Elasticsearch Log Tracing — Implemented centralized log ingestion and analysis for the banking application using Elasticsearch, enabling fast, structured inspection of production behavior and accelerating root-cause analysis for incidents.

#### Junior to Mid-level Software Developer - Tier-1 Turkish Bank

May 2011 - Jan 2016

- Application Framework & ESB — Designed and developed an in-house enterprise application framework (ESB, rule engine, event management, job scheduler, distributed caching, security, structured logging, and a unified data access layer) adopted across hundreds of business applications.
- WCF Communication Infrastructure — Engineered the bank's WCF layer with custom binary message encoders (deflate

compression), message inspectors, and a dynamic hosting layer that resolved .svc endpoints at runtime against the ESB registry — the foundation later modernized in the WCF to ASP.NET Core migration.

- Internal Tooling & Banking UI — Delivered a Snoop-style WPF UI automation tool, a drag-and-drop WPF code generator for data-entry modules, and the banking application shell with custom DevExpress reporting components.

## **EDUCATION**

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### **B.Sc. in Computer Engineering**

Yildiz Technical University | Istanbul, Turkey

## **LANGUAGES**

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Turkish (Native), English (Professional Working Proficiency)