

# MURAT ECEMIS

Senior Software Engineer · Cloud, Microservices & AI-Powered Solutions

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## PROFESSIONAL SUMMARY

Solution-focused Senior Software Engineer with 7+ years of experience designing and delivering enterprise-grade software, financial systems, and cloud-native microservices. Extensive hands-on expertise in C#, .NET Core, Azure Cloud, DDD, CQRS, and event-driven architecture. Designs and implements AI-powered systems and modules using Azure AI Services, integrated into enterprise-grade applications. Proven record of migrating monolithic applications to distributed microservice platforms across fintech, banking, and commodities trading domains.

## CORE SKILLS

|                        |                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Languages & Frameworks | C#, .NET Core, ASP.NET MVC, Web API                                                                                                        |
| Architecture           | Microservices, DDD, CQRS, Event-Driven Systems, Saga Pattern, Inbox/Outbox                                                                 |
| Cloud & DevOps         | Azure (Functions, Service Bus, Redis Cache, CosmosDB), Docker, Azure DevOps, TeamCity, Octopus Deploy, CI/CD Pipelines                     |
| Messaging & Caching    | RabbitMQ, MassTransit, Dapr, Azure Service Bus, Redis                                                                                      |
| Databases              | SQL Server, PostgreSQL, MongoDB, Oracle, Redis                                                                                             |
| AI & Tooling           | GitHub Copilot, Cursor, Hermes Agent, Claude AI, OpenAI Codex, Microsoft Foundry, Azure AI Services (Foundry Tools, Document Intelligence) |
| IDEs & Tools           | Visual Studio, JetBrains Rider, VS Code, Azure DevOps, Git                                                                                 |
| Practices              | Clean Architecture, Agile/Scrum, Distributed Systems                                                                                       |
| Languages              | English – Professional Working Proficiency   Turkish – Native                                                                              |

## PROFESSIONAL EXPERIENCE

Senior Software Engineer · [Gunvor Group Ltd](#) Jan 2024 – Sep 2026

One of the world's largest independent commodities trading houses — energy logistics & financial operations.

- Lead migration of legacy monolithic systems to event-driven microservices using DDD and CQRS — reducing inter-service coupling and enabling independent deployments across 5+ services.
- Architected and delivered an AI-powered Invoice & Expense Analyzer (ASP.NET Core, Azure Document Intelligence, GPT-4.1 on Microsoft Foundry) that automated manual invoice processing — reducing average handling time from 4–5 minutes to under 1 minute, a 70–80% efficiency gain.
- Designed a natural-language-to-SQL reporting system using RAG over a ~500-table operational database — indexing table/column metadata in Azure AI Search to retrieve only relevant schema per query, with read-only execution guardrails and a semantic cache layer reusing previously validated queries.
- Migrated a batch-based trading repricing process to an event-driven architecture using Azure Service Bus and Azure Functions, with deal/version-based deduplication, retries, and dead-letter handling — reducing unnecessary repricing load and improving scalability.
- Work closely with cross-functional, internationally distributed teams across 3+ countries to define architecture standards and improve CI/CD delivery pipelines.

Senior Software Engineer · [Yapi Kredi Technology](#) Jan 2023 – Jan 2024

One of Turkey's largest private banks — retail, corporate and international banking.

- Developed and enhanced core banking applications in .NET Core, Java, and Oracle as part of a large-scale digital transformation program serving millions of customers.
- Designed and built microservices for SWIFT, SEPA, and internal payment transfer systems — handling thousands of mission-critical transactions daily with strict reliability and compliance requirements.
- Took ownership of migrating legacy payment services to a microservice architecture, defining service boundaries and inter-service communication contracts across 3+ payment domains.
- Contributed to architecture reviews, infrastructure improvements, and cross-team alignment sessions during the bank's microservice transition.

## Senior Software Engineer · Felixo Exchange

Apr 2022 – Dec 2022

Cryptocurrency exchange platform focused on secure, scalable digital asset trading.

- Designed and implemented cloud-native, Azure-based distributed systems with high availability, fault tolerance, and security requirements for a financial-grade trading platform.
- Designed and implemented inbox/outbox patterns with Dapr to guarantee message delivery and idempotency in distributed workflows, eliminating duplicate processing risks.
- Architected and delivered end-to-end customer journeys: registration, authentication, phone and email verification, KYC, balance management, and fiat/crypto deposit-withdrawal flows.
- Set up and integrated IdentityServer for OAuth 2.0 / OpenID Connect, securing all platform APIs and managing user identity across services.
- Built bank integrations and background job infrastructure for real-time transaction processing and reconciliation.
- Designed APIs to handle high-frequency, concurrent requests from automated trading bots — ensuring low-latency responses and data consistency under load.
- Collaborated closely with the frontend and QA teams to define API contracts, ensure coverage, and maintain service reliability under load.

## Medior Software Engineer · Supplementler.com

Jan 2021 – Apr 2022

Turkey's largest e-commerce platform for supplements, sportswear, and vitamins.

- Developed and maintained backend services and microservices for a high-traffic e-commerce platform with 500K+ registered users and 10K+ daily orders.
- Led migration of a monolithic .NET application to a modular microservice architecture using .NET 5, applying CQRS patterns — reducing average deployment time and improving team autonomy.
- Applied MassTransit for reliable, message-based communication across microservices, ensuring consistent processing in distributed workflows.
- Integrated third-party logistics, payment, and supplier services into the platform's backend infrastructure.

## Junior Software Engineer · Korgun Software

Sep 2019 – Jan 2021

ERP software company providing integrated business solutions.

- Built web and desktop applications integrated with an ERP system using .NET Core, delivering custom business logic for various industry clients.
- Extended and maintained ERP modules, implementing new features based on client requirements and business process changes.

## Software Engineer Trainee · Wissen Akademie

Dec 2018 – Jul 2019

IT academy providing practical, hands-on training in .NET technologies.

- Completed a 600-hour, hands-on training program on .NET and .NET Core frameworks, building small-scale web and desktop applications as practice projects.
- Gained strong fundamentals in object-oriented programming and database development, forming the foundation for a full-stack development role at Korgun Software.

## EDUCATION

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### M.Sc. in Computer Engineering · Isik University, Turkey

2019 – Present

Specialization: Machine Learning & Service-Oriented Architecture | Coursework completed; thesis pending

### B.Sc. in Mechanical Engineering · Yildiz Technical University, Turkey

2009 – 2016

## CERTIFICATIONS

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### Microsoft Specialist – Programming in C#

Microsoft Certified: Azure Fundamentals (AZ-900)

Microsoft Certified: Azure AI Fundamentals (AI-901)