



Özgür Saygı

SENIOR .NET DEVELOPER | AI SOFTWARE DEVELOPER | MATHEMATICS ENGINEER

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PROFESSIONAL SUMMARY

Results-driven Mathematics Engineer and Senior Software Developer transitioning into Enterprise Artificial Intelligence.

Proven track record in developing complex, web-based applications across FinTech, BPM, and ERP sectors.

I combine extensive expertise in .NET Core, C#, and architectural design with cutting-edge capabilities in Machine Learning, Python, Large Language Models (LLMs).

Adept at bridging the gap between data science and software engineering by transforming advanced AI models into highly scalable, production-ready enterprise applications.

CORE COMPETENCIES & SKILLS

- **AI & Data Engineering:** Python, R, TensorFlow, LSTM Neural Networks, SMOTE, Prompt Engineering, Vision LLMs (OCR to JSON), Azure AI Document Intelligence (IDP), IBM watsonx AI Orchestrate.
- **Backend & Architecture:** .NET 8, .NET Core, ASP.NET MVC, C#, REST APIs, Object-Oriented Programming (OOP), Race Condition Management.
- **Database & Data Management:** Advanced SQL, MS SQL Server, PostgreSQL, T-SQL, Complex Database Deduplication & Access Control Logic (ACL).
- **Frontend:** Angular, TypeScript, JavaScript, Bootstrap.

EDUCATION & CERTIFICATIONS

Istanbul Technical University (ITU) Continuing Education Center | Dec 2024 - Apr 2025

ITU SEM Certificate Program - Artificial Intelligence, Big Data, Machine Learning with Python & R

Istanbul Technical University (ITU) | Sep 1992 - Jul 1998 (GPA: 3.36/4.00)

B.Sc. in Mathematics Engineering

APPLIED ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING PERSONAL PROJECTS

Earthquake Foreshock Classification and Prediction |

<https://github.com/ozgursaygi/deprem-analiz>

An automated analytical system was developed to predict foreshock classification and probabilities using machine learning models and live seismic data from the AFAD API.

Extreme class imbalances in seismological datasets were calculated by integrating the SMOTE algorithm to ensure stable model training.

Data acquisition (SQLite) and HTML report generation pipeline were automated via GitHub Actions for continuous execution every 6 hours.

Multiple Stock Prediction | <https://github.com/ozgursaygi/hisse>

A Python-based analytical machine learning system was designed and developed for algorithmic forecasting using statistical regime switching models and LSTM neural networks for time series forecasting.

Predictive analysis and backtesting were performed on stocks by combining the machine learning outputs with Elliott Wave Theory (EWT).

PROFESSIONAL EXPERIENCE

AKSIS DIGITAL SOLUTIONS | Istanbul, Turkey | 08/2022 – Present

SENIOR .NET SOFTWARE DEVELOPER (HYBRID - FULL STACK) AND AI DEVELOPER

- Web-based Business Process Management (BPM) solutions, including Document Management modules, were designed and developed using .NET, .NET Core, C#, and Angular.
- AI integrations were implemented using IBM Watsonx AI Orchestrastrate Agent and Azure AI IDP, and on-premises AI/ML tools were developed that combine Python-based AI capabilities with .NET enterprise architectures.
- **Skills:** Angular · TypeScript · .NET Core · ASP.NET Core · C# · Microsoft SQL Server · Transact-SQL (T-SQL) , Python , R , Azure AI Document Intelligence (IDP), IBM watsonx AI Orchestrastrate

IPSOS TURKIYE | Istanbul, Turkey | 10/2020 – 06/2022

SENIOR .NET SOFTWARE DEVELOPER (HYBRID - FULL STACK)

- Web-based applications for survey dashboards and dynamic reporting were developed using .NET Core, C#, and PostgreSQL.
- A comprehensive client-facing web application was developed to securely visualize datasets calculated from various market research metrics.
- **Skills:** .NET Core · C# · ASP.NET · JavaScript · SQL · PostgreSQL

BILGE ADAM (Contractor at Ford Otosan & KoçSistem) | Istanbul, Turkey | 09/2016 – 05/2019

SENIOR .NET SOFTWARE DEVELOPER (ON-SITE - FULL STACK)

- Participated in the technological modernization of the Ford Otosan Service Management application by successfully migrating the legacy system from .NET Framework 1.1 to 4.7 using ASP.NET MVC and Oracle within the Agile/Scrum framework.
- Developed a web-based leasing project for key clients such as Yapı Kredi Bank and Akbank Leasing.
- **Skills:** C# · JavaScript · SQL · jQuery · ASP.NET MVC · .NET Framework · ASP.NET Razor Pages

TRADESOFT BUSINESS SOLUTIONS | Istanbul, Turkey | 06/2014 – 03/2016

SENIOR .NET SOFTWARE DEVELOPER (ON-SITE - FULL STACK)

- A web-based online banking platform was designed and developed for investment firms. .NET, ASP.NET, and ASP.NET MVC technologies were used.
- Improvements were made to core financial functions, including modules for high-volume money transfers, stock trading, and mutual fund transactions.
- **Skills:** C# · SQL · jQuery · T-SQL · ASP.NET MVC · ASP.NET Razor Pages · Bootstrap · .NET · Full-Stack Development

SIBER LOGISTICS SOFTWARE COMPANY | Istanbul, Turkey | 10/2008 – 05/2014

SENIOR .NET SOFTWARE DEVELOPER (ON-SITE – FULL STACK)

- Specialized CRM and Expense Management applications were developed for the logistics and pharmaceutical industries.
- A web application was created for medical representatives to track their visits to hospitals, pharmacies, and doctors.
- CRM features were designed for the logistics sector, including managing customer meetings and automating the offer generation and delivery process.
- **Skills:** C# · ASP.NET · SQL · jQuery · T-SQL · Entity Framework · .NET Framework · Infragistics · DevExpress

(Previous roles at TEPUM SIGMA 2007, MERKEZ YAYIN HOLDİNG (SABAH, ATV 2005) and NTN YAZILIM 2000 provided a strong foundation of experience in CRM, ERP and Enterprise systems using C#, SQL and web technologies dating back to 2000.)

I.T.U Mathematics Engineering Department 2 month C Language Internship

LANGUAGES

- Turkish : Native
- English : Upper Intermediate

PERSONAL INTERESTS

- Reading
- Taking walks through the city almost every day
- Watching science and history documentaries and videos online