Hayrettin DAL

Software Engineer

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PROFESSIONAL SUMMARY

I am a results-driven Software Engineer with approximately one year of professional experience in the C# and .NET ecosystem. I have hands-on expertise in full-stack development, legacy system modernization, and AI/ML-powered solutions. Skilled in solving complex problems and designing scalable systems using technologies like Kubernetes, Python, and Next.js. With a strong technical foundation and analytical mindset, I aim to deliver impactful and innovative solutions.

EXPERIENCE

Full Stack Software Developer

Dijital Arşiv Belge Bilgi Teknolojileri A.Ş , Istanbul, Turkey

Mar 2025 – Sep 2024 (6 months)

- Developed a fully modern video editing module using Next.js 14 and .NET Core for a legacy ASPX system.
- Resolved over 10 critical issues including Kubernetes infrastructure problems, and repaired 5 core modules to improve system stability.
- Handled user-side issues in the legacy system via real-time MS SQL queries and hotfix deployments through IIS.
- Improved facial recognition accuracy from 40% to 70–80% by automating data processing with Python and OpenCV.
- Customized a YOLO model for ASELSAN by adding a dedicated tank class, achieving 80% detection accuracy.
- Documented application architecture and data flows to facilitate internal knowledge sharing and onboarding.

Software Developer Intern - .NET Core

LITS Consulting, Istanbul, Turkey

Aug 2024 – Oct 2024 (2 months)

- Developed an E-Commerce Web API using ASP.NET Core.

- Implemented rate limiting and caching mechanisms.
- Created API documentation with Swagger and tested using Postman.
- Integrated JWT authentication for secure access.
- Gained hands-on experience in software development processes and teamwork.

Software Developer Intern – ASP.NET

Bilet11.com, Istanbul, Turkey

Jun 2019 – Aug 2019 (2 months)

- Contributed to the development of Bilet11.com by creating an internal management panel using .NET Framework and MVC.
- Enhanced workflow efficiency through effective data management solutions.

Web Front-End Developer Intern

AKINSOFT Marmara Regional Office - RTS Bilgisayar, Istanbul, Turkey

Sep 2016 – Dec 2017 (10 months)

- Assisted in adding modules to the Wolvox ERP-CRM system based on customer requirements.
- Developed UI components such as login pages, registration screens, tables, and invoices using HTML, CSS, and JavaScript.
- Collaborated with the team to deliver user-friendly interfaces and meet project objectives.

PROJECTS

bsStoreApp - GitHub Link

- Developed an e-commerce backend API using ASP.NET Core.
- Implemented features such as rate limiting, caching, and JWT authentication.
- Documented the API with Swagger for easy integration and testing.

ShopDotnetCore - GitHub Link

- Built a scalable shop web application using .NET Core.
- Focused on clean code principles and modular design to ensure maintainability.
- Integrated modern development practices to deliver a robust online shopping experience.

EDUCATION

Bachelor of Science in Computer Engineering

Düzce University, Düzce, Turkey

Sep 2021 – Jan 2025

Associate Degree in Computer Programming
Istanbul University-Cerrahpaşa, Istanbul, Turkey
Sep 2018 – Jun 2020

High School – Web Design and Programming
Şişli Technical & Vocational High School, Istanbul, Turkey
Sep 2013 – Jun 2017

SKILLS

- **Programming Languages:** C#, Python, JavaScript

- **Backend Technologies:** .NET Core, ASP.NET MVC, ASP.NET Web API, Entity Framework Core

- **Databases:** PostgreSQL, Microsoft SQL Server, MySQL, MongoDB

- **Frontend & Tools:** React, Tailwind, HTML, CSS, Bootstrap, Git, GitHub, Visual Studio, Postman

- **Development Methodologies:** Agile Scrum, Domain-Driven Design (DDD), Microservices, SOLID, Clean Code, Design Patterns

CERTIFICATIONS

- Full-Stack E-Commerce Project Development with .NET 9 and React – UDEMY (Sep 2025)

- C# Intermediate – SOLOLEARN (Dec 2024)

- SQL Intermediate – SOLOLEARN (Dec 2024)

- ASP.NET Core Web API – BTK Akademi (Oct 2024)

- Git & GitHub Version Control – BTK Akademi (Mar 2024)

- C# Development Course – Udemy (Jul 2022)

INTERESTS

I am passionate about Natural Language Processing (NLP), Artificial Intelligence (AI), Deep Learning, and Machine Learning. I continuously follow emerging technologies and advancements in these areas.