

ABOUT ME

Results-driven Full Stack .NET Developer with 3 years of experience designing scalable backend architectures for B2B/B2C platforms. Led the end-to-end development of multi-tenant e-commerce platforms serving 15,000+ users; built integrations connecting Logo and Bay.t ERPs to 4 marketplaces and 7 payment providers. Shipped production-grade products on four platforms: web, mobile, desktop, and Windows services. Passionate about Clean Architecture and SOLID principles. Currently pursuing an M.Sc. in Data Science & AI at Sakarya University, developing OCR/NLP-based industrial monitoring systems under TÜBİTAK 3501.

WORK EXPERIENCE

Sakarya University, Research Engineer

01/2026 – Present | Sakarya, Turkey

- Developing "FormReader", an AI-driven industrial monitoring system (TÜBİTAK 3501 proposal) that optimizes production-line efficiency.
- Building a hybrid OCR architecture (TrOCR + Tesseract) and Python/OpenCV image-processing pipelines to digitize handwritten production forms.
- Training BERT-based NLP models to standardize free-text downtime reasons and building automated data cleaning and validation pipelines with Pandas.

Esbi Bilisim ve Telekomunikasyon, Full Stack Developer

09/2023 – Present | Sakarya, Turkey

- Led the end-to-end development of multi-tenant B2B/B2C e-commerce platforms serving 15,000+ users with .NET Core and C#; scaled a single core product to four industry clients.
- Automated the order-to-invoice cycle end to end through RESTful API integrations connecting Logo and Bay.t ERPs to 4 marketplaces (Trendyol, Hepsiburada, N11, Shopify) and 7 payment providers.
- Built a 27-screen field-sales mobile app with React Native/Expo and a JWT-secured ASP.NET Core API, featuring GPS-stamped visit tracking and server-side push notifications.
- Reverse-engineered and documented a 348-table ERP database schema; designed critical backend modules for dynamic stock synchronization, order workflows, and product management.
- Developed comprehensive CRM and financial reporting tools (invoice / work-order management) using Windows Forms and DevExpress.

Kurumsal Yazilim A.S. (HarmonyERP), Software Intern

06/2022 – 07/2022 | Sakarya, Turkey

- Developed C#-based desktop automation software utilizing OCR to parse unstructured financial data from receipts and invoices.
- Engineered image processing algorithms to automatically extract, validate, and record critical financial data into the database.
- Streamlined operational processes, significantly reducing manual data entry errors and time loss.

EDUCATION AND TRAINING

Sakarya University, M.Sc. in Data Science and Artificial Intelligence

09/2024 – Present | Sakarya, Turkey

Sakarya University, B.Sc. in Computer Engineering

09/2019 – 07/2023 | Sakarya, Turkey

SKILLS

Backend & Frameworks — C#, .NET Core, ASP.NET Web API, Entity Framework Core, Dapper, SignalR

Frontend & Mobile — TypeScript, React.js, Next.js, React Native, Expo, Tailwind CSS

Architecture & Principles — Clean Architecture, SOLID, OOP, Design Patterns, Multi-tenant Architecture

AI & Data Science — Python, Pandas, NumPy, OpenCV, OCR (TrOCR / Tesseract), NLP (BERT)

Databases & Message Brokers — MS SQL Server, PostgreSQL, Redis, RabbitMQ

DevOps & Tools — Docker, Docker Compose, GitHub Actions, Linux (VPS), IIS, Git

LANGUAGE SKILLS

English: B2 (Upper-Intermediate)

Turkish: Native

PROJECTS

Personal Portfolio & Self-Hosted Infrastructure — yavuzcelik.com

08/2026 – Present

- Built a bilingual (TR/EN) portfolio site with a content management panel using Next.js 16, Prisma 7, and PostgreSQL.
- Self-hosted on a Hetzner VPS with Docker Compose and Caddy (automatic HTTPS); set up DNS, email routing (SPF/DKIM/DMARC), and deployment automation end to end.