Umut Kuruluk

Software Engineer | AI & Cloud

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About

Software Engineer passionate about building end-to-end software systems. From researching business requirements to designing architectures, developing applications, integrating AI capabilities, and deploying scalable cloud solutions, I enjoy taking products from an idea to production. My experience spans software engineering, AI, cloud technologies, and data-driven applications, allowing me to adapt quickly across different domains and technologies.

Education

Alparslan Turkes Science and Technology University — Adana, Turkey
BSc in Computer Engineering GPA: 3.62/4.00 — *Sep 2021 - Jun 2025*

Adana Final High Schools — Adana, Turkey
GPA: 98.00/100 — *Sep 2017 – Jun 2021*

Experience

Software Engineer | AI & Cloud — Feb 2025 – Jun 2026
TEMSA — *Adana, Turkey*
- Built and deployed enterprise AI-driven SaaS applications using .NET Core, React, Angular, Azure App Services, Azure SQL, PostgreSQL, and REST APIs
- Integrated LLM-based solutions and automation workflows using LangChain, Microsoft Fabric, and Power Automate
- Designed cloud-native architectures and deployed scalable production solutions on Microsoft Azure

Software Engineer Intern — Jul 2024 – Aug 2024
OYAK Cement — *Adana, Turkey*
- Developed an AI-powered social media sentiment analysis platform using Python, Flask, Selenium, SQLite, Pandas, and Scikit-learn

Food & Beverage Ambassador (Work & Travel) — Jun 2023 – Sep 2023
Busch Gardens Tampa Bay — *Tampa, FL*
- Worked in a fast-paced international environment while collaborating with multicultural teams

Projects

Enterprise Web Platforms | *.NET Core, Angular, React, Azure App Services, Azure SQL, PostgreSQL, REST APIs*
- Built enterprise web applications for AI portfolio management, fleet operations, project evaluation, and internal business processes
- Designed layered architectures and deployed cloud-native solutions on Microsoft Azure

Recall Letter Automation | *Microsoft Fabric, Power BI (Paginated Reports), Power Automate, Microsoft 365*
- Designed and implemented an automated recall letter generation workflow

API Server | *Linux, VM, ngrok, LLM APIs*
- Built a local proxy API server for secure routing to external LLM services

Predictive Inventory System for Automotive Spare Parts | *Python, MSSQL Server, Scikit-learn*
- Developed regression and classification models for spare parts inventory forecasting.Reduced stock shortages and overstock risk

Technical Skills

Languages: Java, Python, JavaScript, C#, SQL
Frameworks&Backend: .NET, Flask, Django, Node.js
Frontend: React, Angular, HTML, CSS
Cloud: Microsoft Azure, Microsoft Fabric
AI & Automation: LangChain, LangGraph, n8n, LLM Integration
Data: Pandas, Scikit-learn, ETL Pipelines, Data Warehousing, Power BI
DevOps & Cloud Native: Docker, Git
Working Knowledge: Kubernetes, Terraform, Ansible, OpenShift, Jenkins, GitHub Actions, Argo CD, Helm, Prometheus, Grafana, NGINX Ingress Controller, Multi-Agentic Systems, Claude Code, Token&Context Window Optimization, OpenClaw