Okan Akçay

Software Developer · Full-Stack .NET Developer

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SUMMARY

Full-stack software developer working with .NET since 2013. At Enerjisa Üretim I work across all layers of OnePact Monetize, an automated energy trading platform for the Turkish energy market, mostly on the day-ahead market side. Alongside that, I contribute to Lutvelizade's e-commerce, marketplace and operations infrastructure and to Pood, API Teknoloji's digital signage platform.

EXPERIENCE

Software Developer — Enerjisa Üretim September 2021 - Present

Full-time

I work full-stack in the team that builds enterprise applications serving power plants across Türkiye.

My main focus is OnePact Monetize, an automated energy trading platform built for the Turkish energy market. I develop the backend and UI layers of the bidding, portfolio and balancing flows, mostly on the day-ahead market (DAM) side.

- I work on the flows that process intraday market (IDM) messages arriving through Azure Event Hubs.
- I build scalable applications with .NET 10 and Angular, targeting high availability and performance.
- We run scheduled data flows and periodic jobs with Apache NiFi and Apache Airflow.
- We protect code quality with unit and UI tests.

.NET 10, C#, Angular, TypeScript, PostgreSQL, Azure Event Hubs, Azure Service Bus, Apache NiFi, Apache Airflow

Software Development Specialist — Lutvelizade December 2019 - September 2021

For Lutvelizade, a brand selling both online and in its own stores, we brought production, pre-sales, warehouse shelf management, sales and after-sales modules together into a single system.

I developed store and warehouse operations, shipping and payment integrations, and the returns and campaign processes.

.NET Core, MSSQL, NHibernate, Couchbase, Elasticsearch, jQuery

Software Consultant — API Teknoloji

I worked on the backend of Pood, API Teknoloji's digital signage platform. Screens in different locations are managed from a single panel; content is scheduled and published remotely.

- Multi-tenant .NET microservice architecture with a separate database per customer.
- Real-time device communication with Android, Windows, webOS and Electron players.
- Sped up cross-company playback report queries that took 44–94 seconds.
- Found the root cause of a device service that locked up overnight and shipped permanent fixes.
- Settings management and a setup wizard for on-prem installations that need no redeploy.

ASP.NET Core, SignalR, MongoDB, Redis, Hangfire, Refit, Polly, Serilog, Docker

Software Consultant — Lutvelizade

I worked on the development of Lutvelizade's e-commerce, marketplace and operations infrastructure.

- Moving the storefront to the ikas platform: product, customer and order history migration, two-way order sync.
- Trendyol, Hepsiburada, N11 and Propars integrations: duplicate order protection, partial cancellations and invoicing flows.
- A bulk invoicing flow with live progress tracking that never issues an invoice twice.
- Payment (iyzico, PayTR, Garanti, İşbank) and shipping (Aras, MNG, Yurtiçi, UPS, Sürat) integrations, ZPL label printing.
- Halving the database server's vCPU count after query optimizations, upgrading to the current .NET version and automated deployments.

EF Core, NHibernate, MSSQL, Hangfire, SignalR, Nebim ERP, e-Archive invoicing, GitHub Actions

Software Developer — İLET October 2017 - November 2019

I built university websites, corporate reporting applications and operations software.

- Websites for Beykent, Doğuş and Istanbul Sabahattin Zaim universities and İzmir Kavram Vocational School, built on Sitefinity.
- Reporting dashboards for Danone, Hugin, Turkcell and Robotistan.
- IoT: Connect, which visualizes sensor data, and an algorithmic thinking education system built with the Istanbul Metropolitan Municipality (İBB).
- Rental Management System.

.NET Core, ASP.NET MVC / WebForms, Sitefinity, MSSQL, MySQL, Couchbase, AWS, Elasticsearch, MQTT, OpenCV

Intern → Software Developer — Hostamedia June 2013 - September 2017

I started as an intern and continued as a developer after graduating. I worked mostly on the backend of the agency's own CMS; the agency focused on the hotel industry.

- The Marmara Collection, Avantgarde Collection and Can HI-FI.
- Member of the team that built the BCommerce e-commerce platform and its image upload plugin.
- Caching infrastructure for the Kuveyt Türk Private Banking website.

ASP.NET Web Forms, WCF, LLBLGEN, MSSQL, jQuery

SKILLS

Backend: C#, .NET 10 / ASP.NET Core, Web API, ASP.NET MVC

Data: MSSQL (query and index tuning), PostgreSQL, MongoDB, Redis, EF Core, NHibernate, Elasticsearch, Couchbase

Messaging and scheduled jobs: Azure Event Hubs, Azure Service Bus, Hangfire, Apache NiFi, Apache Airflow, SignalR

Integration: REST / SOAP, Webhook, Marketplace APIs, ikas, Nebim ERP, e-Invoice / e-Archive, Payment and shipping APIs, GA4, Google Tag Manager, Meta Conversions API, PersonaClick, Connexease

Front-End: Angular, TypeScript, JavaScript, jQuery, Razor

Deployment and tooling: Docker, GitHub Actions, IIS, Git

EDUCATION

Trakya University — Computer Technology and Information Systems 2011-2015

Zeytinburnu Technical High School — Computer Technology and Information Systems 2006-2010

LANGUAGES

Turkish: Native · English: Good technical reading and writing, basic speaking