

Yusuf Burak Peker

Backend Developer (.NET) | Full-Stack Developer

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SUMMARY

Backend-focused Computer Engineer with 3 years of experience building multi-tenant SaaS and enterprise platforms with C#, ASP.NET Core, PostgreSQL and Redis, together with React and Next.js frontends. Full-stack developer on several production products, with hands-on work in background processing, Elasticsearch, payment and AI integrations, and CI/CD with Docker and Azure DevOps.

TECHNICAL SKILLS

Languages: C#, TypeScript, JavaScript, SQL, Java (basic), Python (basic)

Backend: ASP.NET Core (.NET 8/9/10), ASP.NET Web API, ASP.NET MVC, Razor Pages, Entity Framework Core, Entity Framework 6, LINQ, SignalR, RESTful APIs, Background Services, Windows Services, Clean Architecture, Multi-tenant Architecture

Frontend: React, Next.js, Redux Toolkit, HTML5, CSS3

Databases (SQL): PostgreSQL, SQL Server

NoSQL & Search: Redis, Elasticsearch

Authentication: JWT, Azure AD (OpenID Connect), LDAP, Google OAuth, Role-Based Access Control

Integrations: iyzico, PayTR, OpenAI API, Gemini API, AWS S3, Azure Blob Storage, Google Drive API, YouTube Data API, e-Invoice (e-Fatura)

DevOps & Cloud: Docker, Docker Compose, Azure DevOps, Nginx, IIS, Linux

Testing & Docs: xUnit, Swagger / OpenAPI

Tools: Git, Visual Studio, JetBrains Rider, VS Code, Postman, Jira, ClickUp

WORK EXPERIENCE

Kartega Yazılım - Backend Developer

Dec 2024 – Present | İstanbul (Remote)

DTArşiv – Media Asset Management (Demirören News Agency) · Backend Developer

- Built a background job pipeline that continuously ingests news from 4–5 RSS feeds and daily reporter uploads, with format conversion and thumbnail/proxy generation.
- Implemented Elasticsearch-based search, FTP ingest and Azure AD (OpenID Connect) sign-in.

Tech: .NET 8, PostgreSQL, Redis, Elasticsearch, Azure AD, Docker

Aktend – Enterprise Document Management (EDMS) · Full-Stack Developer

- Building a multi-tenant platform that combines document management, workflow, a form designer, archiving and governed AI features.
- Own the .NET 8 backend and the Next.js tenant application end to end, including Elasticsearch-based document search.

Tech: .NET 8, PostgreSQL, Redis, Elasticsearch, Next.js, TypeScript

Laviya – Project & Task Management SaaS · Full-Stack Developer

- Built a multi-tenant collaboration platform with ClickUp/Jira import, a paywall and iyzico subscriptions.
- Integrated AI orchestration with the OpenAI API and Gemini API, plus cloud storage on AWS S3, Azure Blob Storage and Google Drive API.

Tech: .NET 8, PostgreSQL, Redis, Google OAuth, Next.js, Redux Toolkit

Pendigit – Super App · Full-Stack Developer

- Developed .NET 8 backend features for social media, live broadcasting, VOD, EPG and ad management.
- Built the Next.js admin panel (back-office, user management) and manager panel features (channel, content and ad management, EPG editor); integrated iyzico and PayTR payments.

Tech: .NET 8, PostgreSQL, Redis, Next.js, Redux Toolkit

OpinTag – Asset Lifecycle Management · Full-Stack Developer

- Building a multi-tenant platform for QR-based asset identity, ownership and service history.
- Implemented KVKK-compliant audit logging for every write operation.

Tech: .NET 8, PostgreSQL, Redis, Next.js

Digital Label – Store Price Tag Management (Vodafone) · Full-Stack Developer

- Built the platform end to end with TypeScript and Next.js, LDAP authentication and AWS S3.
- Migrated the backend to Java 21 / Spring Boot 3 together with a teammate, under an 80% unit-test coverage requirement.

Tech: TypeScript, Next.js, PostgreSQL, LDAP, AWS S3, Java 21, Spring Boot 3, Docker

Painting Competition Platform (Hyundai) · Full-Stack Developer

- Building the .NET 9 backend and the Razor Pages admin panel end to end.
- Set up Azure DevOps pipelines for IIS deployment.

Tech: .NET 9, Razor Pages, Entity Framework Core, SQL Server, JWT, React, Azure DevOps, IIS

Freelance - Full-Stack Developer

Mar 2026 – Present | Remote

Lumos Psikoloji – Psychology Clinic Platform · Sole Full-Stack Developer

- Designed, built and deployed a platform with online booking, iyzico payments and Jitsi video sessions.
- Added automated email and SMS reminders through a background service; delivered to production with full handover documentation.

Tech: ASP.NET Core 8, Clean Architecture, PostgreSQL, JWT, Jitsi, Next.js, Docker

Şile'de Yatırım – Real Estate & Investment Portal · Sole Full-Stack Developer

- Built an SEO-friendly portal with a CMS, property listings, announcements and dynamic pages.
- Implemented JWT role-based authorization for Admin, Editor and Member roles.

Tech: ASP.NET Core 8 Web API, Entity Framework Core, SQL Server, Next.js

İzbel Yazılım - Software Engineer

Jun 2024 – Dec 2024 | İzmir

- Developed accounting, restaurant POS and QR menu systems as the sole developer; the POS system is used by restaurants across İzmir.
- Integrated e-Invoice (e-Fatura) services into the POS and accounting software through REST APIs and scheduled Windows Services.

Tech: C#, ASP.NET MVC, ASP.NET Web API, Entity Framework 6, SQL Server, JavaScript

ENM Digital - Software Engineer

Nov 2023 – Jun 2024 | Manisa

- Worked in a team building Proje Sihirbazı (project wizard), a digital business card application and a digital education platform.
- Created an AI-driven tool with Python and the OpenAI API that analyzes Teknofest and Technopark project applications.

Tech: ASP.NET Core MVC, Entity Framework Core, SQL Server, JavaScript, Python, OpenAI API

Mes Mudita Otel (Efendel Group) - Assistant Manager

Jul 2022 – Jul 2023 | İzmir

- Co-managed operations of a boutique hotel with a seasonal team of up to 10 staff; drove a 50% increase in online bookings through website development, OTA optimization and guest experience improvements.

PROJECTS

MuzikDuello - Real-time Music Trivia Game

Multiplayer music quiz that uses SignalR hubs for live game rooms and matchmaking, with Redis-backed game state and the YouTube Data API. ASP.NET Core 8, SignalR, PostgreSQL, Redis, JWT, Next.js, Docker Compose, Nginx

Lumos Academy - Academic Tracking and Mentoring Platform

Role-based platform for students, mentors, parents and admins with Gemini API-powered OCR and AI progress reports, plus push notifications. .NET 10, Clean Architecture, Entity Framework Core, PostgreSQL, JWT, xUnit, React Native (Expo)

EDUCATION

Manisa Celal Bayar University - B.Sc. in Computer Engineering (English)

Sep 2018 – Jun 2023

GPA: 3.19 / 4.00 · 1-year English preparatory program

AWARDS & PUBLICATION

- Mercedes-Benz Otomotiv StarHack'21 Hackathon – 1st Place (2021) with CarGoo, a crowdsourced cargo delivery system that matches packages with users' existing travel routes, cutting delivery costs by 25%
- 12th Genç Beyinler Yeni Fikirler (Young Brains, New Ideas) Competition – Industry and Automotive Category, 3rd Prize with CarGoo (2023)
- Emek, S., Tosun, İ., Yılmaz, M. E., Say, Z., & Peker, Y. B. (2024). A Modeling Approach for Cargo Transportation Considering Energy Saving. *Firat University Journal of Engineering Sciences*, 36(2), 965–978. doi:10.35234/fumbd.1468659

LEADERSHIP & VOLUNTEERING

- **IEEE MCBU Student Branch:** Vice Chairman of the Computer Society (2018 – 2023).
- **TÜBİTAK 4007 Manisa Science Festival & STREAMitUp! (U.S. Embassy):** Workshop leader, instructor and project coordinator (2021 – 2022).
- **Erasmus+ Youth Exchange:** Craiova, Romania – Youthpass certificate (2022).

LANGUAGES

Turkish - Native; English - B2 (Upper-Intermediate)