

FATİH ERDOĞAN

Full-Stack Software Engineer

İzmir, Türkiye | +90 541 790 0481 | fatiherdogann099@gmail.com | linkedin.com/in/fatiherdogan09 | fatiherdogan.dev

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with hands-on experience building service-oriented applications across identity and access management, secure document processing, and real-time data systems. Combines strong backend architecture skills in **.NET**, **.NET Core**, and **C#** with modern frontend development using **React.js** and **Next.js**, alongside practical experience integrating industrial data systems in live production environments. Proven ability to own technical decisions end-to-end, from system architecture through **CI/CD**-based cloud deployment on **Microsoft Azure**. Brings a strong foundation in **RESTful APIs**, **PostgreSQL**, and secure authentication systems (**Keycloak**, **OAuth 2.0**), paired with cross-functional collaboration experience across engineering, operations, and IT teams.

CORE SKILLS

- **Languages & Frameworks:** C#, .NET, .NET Core, JavaScript, TypeScript, React.js, Next.js, Node.js, Express.js, HTML, CSS
- **Architecture & Backend:** RESTful APIs, RabbitMQ, Entity Framework, modular monolith design, clean/layered architecture
- **Databases:** PostgreSQL, MongoDB, Redis, SQL
- **Security & Identity:** Keycloak (OAuth 2.0, OpenID Connect, IAM, RBAC), ClamAV file scanning, Tesseract OCR
- **DevOps & Cloud:** Docker, Microsoft Azure, CI/CD, GitHub Actions
- **Visualization & Data:** WebGL (3D visualization), Power BI, ETL/SSIS, SSAS, DAX, Python
- **Industrial Systems:** MES integration, PHD data systems, process analysis

EXPERIENCE

OT MOM/MES Specialist — SOCAR Türkiye, İzmir

05/2023 – Present

- Developed **MES integrations** for industrial and process operations, building software solutions that enabled real-time production monitoring and operational transparency.
- Served as **technical lead** for the Decision Tool, a profitability and decision-support platform, defining the system architecture and development roadmap for real-time analysis and risk scoring based on production process data; recognized with a **Silver Medal** at the Brandon Hall Group Excellence in Technology Awards.
- Led and built end to end (excluding the ML model) an executive-sponsored procurement **cost-optimization** platform that estimates target reference prices — what a given material or service should cost — strengthening purchasing teams in tenders, bid evaluation, and supplier-discount negotiations; already delivering reliable results in production.
- Built a **workflow engine** driving the full request lifecycle: routing to managers, team assignment, revision cycles, and full or partial delegation of authority between managers and executors.
- Designed an interactive **model-execution UI** that surfaces meaningful outputs at each stage, prompts the user with targeted questions when model confidence is low at critical milestones, and lets them intervene at any point, with a strong focus on usability.
- Delivered executive-level reporting solutions by building data pipelines from process and production systems to enhance visibility and data-driven decision-making.
- Collaborated with cross-functional engineering, operations, and IT teams to design and implement scalable OT software solutions.

Business Intelligence Analyst — NORM Digital, İzmir

10/2022 – 05/2023

- Built **SQL**-based reporting pipelines from ERP systems to support business intelligence initiatives.
- Designed and deployed interactive **Power BI** dashboards to visualize financial, operational, and sales metrics; developed **ETL** workflows and contributed to AI-driven forecasting solutions for strategic planning.
- Collaborated with the supply chain team on a planning optimization project using data from the ICRON platform and SAP, gaining exposure to supply chain data modeling and analytics.

ERP and Operations Specialist — YATSAN, İzmir

06/2022 – 10/2022

- Led ERP-based production planning and inventory management using Microsoft Dynamics software.
- Contributed to process optimization through hands-on collaboration with manufacturing and planning teams.
- Generated technical documentation and worked on part modeling using SolidWorks.

PROJECTS

Full-Stack Developer — Logistics-Domain Application (Personal Project) —

- Designed a **modular monolith** in **.NET** with clearly bounded operational, transactional, and analytical modules sharing a single deployable so each domain can evolve independently.
- Implemented centralized identity and access management with **Keycloak** (OAuth 2.0, OpenID Connect, RBAC) as the security backbone of the platform.
- Built a **React** and **Next.js** front end on top of **.NET** and **Node.js** services backed by a **PostgreSQL** data store, using **Entity Framework** for data access.
- Developed a real-time, document-driven module where two counterparties review terms and exchange documents on a shared screen; integrated **Tesseract OCR** for data extraction and **ClamAV** for malware scanning of every uploaded file.
- Created an interactive, browser-based **3D visualization (WebGL)** layer that renders logistics operations in motion, such as animating a vehicle moving along a route.
- Owned the full DevOps lifecycle: **Docker**-based builds and automated **CI/CD** release pipelines on **GitHub Actions** deploying to **Microsoft Azure**.

AWARDS

- **Silver Medal**, Brandon Hall Group Excellence in Technology Awards — Decision Tool (Profitability & Decision-Support Platform), SOCAR Türkiye. Recognized for a real-time analysis and production-process risk-scoring decision-support platform delivered as technical lead.

EDUCATION

Bachelor of Science, Industrial Engineering — Dokuz Eylül University, İzmir | 06/2022

LANGUAGES

Turkish — Native | English — B2 (Upper-Intermediate) | German — A2 (Elementary) | Japanese — A1 (Beginner)