

GÖRKEM IRK

Full Stack Software Engineer

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PROFESSIONAL SUMMARY

Full Stack Software Engineer with 3+ years of experience building scalable web applications for public-sector and municipal services. I develop end-to-end solutions with .NET Core, React, TypeScript, Oracle, and Docker. Enterprise products I have contributed to are used by approximately 100 municipalities, while citizen-facing e-Municipality, online payment, and water-card platforms serve tens of thousands of users. I have strong experience in backend architecture, RESTful APIs, payment systems, relational databases, and containerized deployments on Linux.

TECHNICAL SKILLS

Backend: C#, .NET Core, ASP.NET Core Web API, Entity Framework Core, RESTful APIs

Frontend: React, TypeScript, JavaScript, Angular, HTML5, CSS3

Databases: Oracle, PostgreSQL, SQL, PL/SQL, Stored Procedures, Firebase Firestore

DevOps & Infrastructure: Docker, Docker Compose, Ubuntu Server, Linux Administration, Reverse Proxy

Integrations: Virtual POS, Online Payment Flows, IoT Sensor Integration, Reporting

Mobile & Tools: Flutter, Dart, Git, GitHub, Visual Studio, VS Code, Postman

PROFESSIONAL EXPERIENCE

Full Stack Software Developer | Sampaş Bilişim

October 2023 - Present

- Develop e-Municipality, online course, online payment, water-card top-up, and internal management applications using React, TypeScript, and ASP.NET Core Web API.
- Contribute to enterprise solutions used by approximately 100 municipalities and build workflows serving tens of thousands of users on citizen-facing platforms.
- Built a dynamic report builder supporting multiple databases, query creation, visual report design, and exports in multiple formats.
- Contributed to an EU-funded smart-building project by monitoring and visualizing IoT sensor data and generating alerts for critical conditions.
- Developed Virtual POS integrations, secure payment flows, and transaction tracking modules; wrote optimized Oracle queries and stored procedures.
- Deploy applications to Ubuntu Linux with Docker and Docker Compose and manage multi-container and reverse-proxy configurations.

Software Developer Intern | Rea Teknoloji

August 2023 - October 2023

- Developed enterprise application modules using Angular and .NET Core MVC.
- Performed PostgreSQL data modeling, query optimization, and CRUD operations.

Software Development Intern | Sampaş Bilişim

July 2022 - October 2022

- Developed a Flutter-based Personnel Attendance Tracking mobile app using the MVVM architecture.
- Implemented user management and real-time data synchronization with Firebase Authentication and Firestore.

SELECTED PROJECTS

e-Municipality Platform - React • TypeScript • ASP.NET Core • Oracle • Docker

Digital service platform enabling citizens to access municipal services, submit applications, and track processes online. [Live: belediye.golcuk.bel.tr](#)

Online Course Registration & Payment Platform - React • TypeScript • ASP.NET Core • Oracle • Docker

End-to-end municipal course platform covering listings, registration, capacity management, Virtual POS payments, and administrative reporting. [Live: kurs.bornova.bel.tr](#)

Municipal Online Payment Platform - React • TypeScript • ASP.NET Core • Oracle • Docker

Citizen-facing web application providing secure municipal collections, Virtual POS integration, transaction tracking, and user-friendly payment flows.

Water Card Top-Up & Payment Platform - React • ASP.NET Core • Oracle • Docker

Web platform enabling citizens to top up municipal water cards online, including payment infrastructure, transaction management, and audit tracking.

Dynamic Report Builder - React • ASP.NET Core • SQL • Oracle/PostgreSQL • Docker

Enterprise reporting tool supporting dynamic database connections, query building, visual report design, and exports in multiple formats.

EU Smart Building Monitoring & Alert Platform - React • ASP.NET Core • IoT • Sensor Integration

EU-funded web application that monitors and visualizes data from building sensors and generates alerts during hazardous conditions.

Enterprise AI Assistant - Open-Source LLM Platform • Enterprise Customization

Customized an open-source AI application for organizational requirements, including its interface, workflows, and enterprise use cases.

Personnel Attendance Tracking App - Flutter • Firebase • Dart

Mobile app providing real-time employee check-in/out tracking, user management, and notification workflows. [GitHub: github.com/gorkemirk/PDKS-SYSTEM](#)

Event Management Platform - Angular • .NET Core

Web application developed to manage corporate event coordination and public relations processes.

EDUCATION

B.Sc. in Computer Engineering | Beykent University, Istanbul

September 2018 - October 2022

GPA: 3.25 / 4.00 | 75% Merit Scholarship