MERT CAN AKDEMIR

Senior Full-Stack Engineer · .NET Core & React TypeScript

Ankara, Türkiye — open to remote & relocation • +90 545 965 70 90 • mertcanakdemirr@gmail.com • mertcanakdemir.com • linkedin.com/in/mert-can-akdemir • github.com/mertcanakdemir

7 yrs
Full-stack delivery, backend & frontend owned together

4+ yrs
On a single global enterprise product, including assistant team lead

10+
Enterprise, public-sector & regulated-domain systems shipped

PROFILE

Full-stack engineer with **7 years** of experience building enterprise web platforms end to end — **C# / .NET Core** services and APIs on the backend, **React with TypeScript** on the frontend, **MS SQL Server** underneath. Currently at **EmsPrime**, continuing on the workforce and operations platform built for **Securitas**, a global security services group, and moving its modules onto a new **.NET 10 Clean Architecture** backend. Before that I was assistant team lead at Siren Bilişim, where I owned several of the platform's largest modules. Comfortable in regulated, documentation-heavy domains: government ministry systems, GIS platforms and KVKK/GDPR data-privacy compliance. I prefer configurable business rules over per-customer branches and take a module from analysis all the way to production support.

TECHNICAL SKILLS

Languages	C#, TypeScript, JavaScript (ES6+), Java, SQL / T-SQL, HTML5, CSS3 & SASS
Backend	.NET Core / .NET 6+ (through .NET 10), ASP.NET Core Web API, ASP.NET MVC, Entity Framework Core, LINQ, Dapper, AutoMapper, FluentValidation, Serilog, background jobs (Hangfire), SignalR, RabbitMQ, Swagger / OpenAPI, JWT & OAuth2 / Identity, Java Spring & Spring Security
Frontend	React 18 with TypeScript, hooks & custom hooks, Context API, Redux / Redux Toolkit, MobX, React Hook Form & Formik, Axios, i18n localisation, component libraries & design systems, data-grid and dynamic form engines, Leaflet maps, Angular & AngularJS, React Native, Xamarin, Bootstrap, jQuery
Architecture	Layered & Clean Architecture, CQRS, Repository / Unit of Work, dependency injection, SOLID, design patterns, REST API design & versioning, integration & authorisation design, microservices, caching strategies, legacy-to-modern module migration
Data	MS SQL Server — relational modelling, T-SQL, stored procedures, views, indexing, execution-plan tuning; EF Core migrations; PostgreSQL, MySQL, Redis
Delivery	Git & GitFlow, Azure DevOps (boards, repos, pipelines), Azure App Service & Key Vault, CI/CD, pull-request review, Docker, unit testing (xUnit, Moq, Jest), browser testing (Playwright), Postman, Agile / Scrum

PROFESSIONAL EXPERIENCE

Senior Full-Stack Engineer
Aug 2026 – Present

EmsPrime · Ankara, Türkiye

Continued development of the Securitas workforce and operations platform: a new .NET 10 backend alongside the existing .NET 5 system, React TypeScript, MS SQL Server, Azure.

- **Porting modules from the legacy .NET 5 / ABP backend to a new .NET 10 Clean Architecture backend** (EF Core, generic repositories, Hangfire jobs, typed integration clients), keeping existing tables and production data intact.
- Delivering the matching **React + TypeScript (MobX)** screens, including a reusable Leaflet map component now shared by several modules.
- Moving application secrets into **Azure Key Vault** and writing **Playwright** browser regression suites for the platform's key screens.

Software Development Specialist — Assistant Team Lead
May 2022 – Jul 2026

Siren Bilişim (Siren IT Solutions) · Ankara, Türkiye

Large-scale enterprise workforce and operations platform delivered for Securitas, a global security services group — .NET Core, React TypeScript, MS SQL Server, Azure DevOps.

- **Owned several of the platform's largest modules end to end** — from clarifying the requirement with the business side, through relational data model, API and business rules, to the user interface and post-release production support.
- Built backend services with **ASP.NET Core Web API and Entity Framework Core**: layered architecture, LINQ query composition, DTO mapping, server-side validation, role-based authorisation, and REST endpoints consumed by both the web client and third-party integrations.
- Developed the matching front ends in **React + TypeScript** (typed API layers, custom hooks, Redux/Context state, large data grids, multi-step forms, localisation) and maintained the team's **shared UI framework layer** of reusable grid, filter, lookup and form components.

- Modelled and tuned the **MS SQL Server** side (schema design, indexing, execution-plan analysis, set-based rewrites) and resolved production defects through root-cause analysis across API, database and UI.
- Turned country- and customer-specific legal requirements into **configurable, versioned business rules** instead of hard-coded branches, so regulatory changes shipped as configuration rather than as releases.
- As **assistant team lead**: reviewed pull requests in Azure DevOps, mentored developers, broke analyses into deliverable tasks, and supported release coordination — working with analysts and the client in English from requirement clarification through UAT.

Software Development Specialist — Full Stack
Nov 2021 – May 2022

ARD Group (ARD Bilişim) · Ankara, Türkiye

Large-scale government and enterprise systems — Angular / AngularJS with .NET Core.

- Delivered frontend and backend for **MEBIS**, a Ministry of Environment & Urbanisation platform, developing the public-property allocation (*tahsis*) module against strict regulatory rules.
- Built **Followino**, a real-time occupancy analytics product: sensor-driven people counting plus camera-based density, age and gender analysis, with live dashboards.
- Developed **HARUSS**, a permit-history document system for mining licence holders, and contributed to **TOKSVETA**, a clinical decision-support system for poisoning cases.
- Implemented **GIS features** — map-based services and spatial data visualisation — working with analysts, domain experts and government stakeholders to meet compliance standards.

Software Developer
Sep 2020 – Nov 2021

Peerlog Bilişim · Ankara, Türkiye

KIVUZ — a KVKK (Turkey's GDPR-equivalent) data-privacy compliance platform. Java / Spring backend, React frontend.

- Designed and maintained **Java / Spring REST APIs** for personal-data inventory, consent management and data-subject request workflows, with Spring Security-based authorisation.
- Built React screens from scratch, from layout and state management through API integration.
- **Single-handedly delivered the React Native mobile client** on top of the existing platform APIs, covering the core compliance workflows.

Full-Stack Developer
Aug 2019 – Jan 2020

İnforce Information Technologies · Konya, Türkiye

Estate and facility management software — ASP.NET MVC / Web Forms with MS SQL Server.

- Contributed to business-critical components including **salary and dues calculation**, where correctness was non-negotiable.
- Implemented **user authorisation, access control and data-privacy** mechanisms across the application.

SELECTED PERSONAL PROJECTS

- **Halı Saha** (halisaha.mertcanakdemir.com, live): multi-group web app + PWA for five-a-side football groups — team-balancing engine that tries every split, drag-and-drop squad studio, role → permission matrix, group treasury. .NET 10 Minimal API, EF Core, PostgreSQL, React 19.
- **ManagerofHouse** (private, family use): family and household management platform with 16 modules — finances, chores, calendar, shopping, trip maps, SignalR notifications. .NET 10 Clean Architecture / CQRS, PostgreSQL, React 19, TanStack Query, Leaflet.
- **Earlier:** solo ASP.NET MVC e-commerce storefront with a Xamarin Android/iOS client (university capstone), academic staff portal (ASP.NET MVC / MS SQL); LeetCode and HackerRank practice.

EDUCATION

B.Sc. Computer Engineering — Selçuk University
2016 – 2020

Faculty of Technology, Konya, Türkiye · EQF Level 6

LANGUAGES

Turkish — Native

English — Professional working proficiency (B2)