

Mert Kan

Full-Stack Developer | Computer Engineer

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Full-Stack Developer building end-to-end web applications with ASP.NET Core, React, and PostgreSQL. Two C#/.NET and React internships on an enterprise insurance platform at Ada Yazılım, and sole developer of ilanlarim.com, a multi-tenant SaaS product I designed from scratch and launched commercially. I own the full lifecycle, from requirements analysis to deployment on Google Cloud Run and Vercel.

EXPERIENCE

Freelance Full-Stack Software Developer | Self-Employed | April 2026 – Present

- Build end-to-end web and mobile solutions for real estate agencies and industrial companies, from requirements analysis to deployment and maintenance (ilanlarim.com, Başkent Gayrimenkul Kuşadası, Meka İstif Makinaları).
- Develop with ASP.NET Core Web API, React (Vite), and PostgreSQL (Supabase); manage deployment on Google Cloud Run and Vercel, domains/DNS, and CI/CD pipelines.
- Use an agent-based, AI-assisted development workflow with Claude Code, OpenAI Codex, and Antigravity to accelerate planning, refactoring, debugging, testing, and documentation.

.NET Software Development Intern (2 Terms) | Ada Yazılım | Jul – Sep 2025, Feb – May 2026

- First term: developed a project end-to-end with C#/.NET and React for insurance platform workflows; designed the MySQL database and wrote its queries.
- Second term: built backend services with C#/.NET and frontend screens with React in the modules of an enterprise insurance platform, handling backend–frontend integration.

R&D Software Development Intern | Sefine Shipyard Inc. | June 2024 – September 2024

- Worked on an autonomous mobile robot project to improve in-yard logistics and automation processes.
- Developed computer vision modules for lane tracking, QR code detection, mapping, and autonomous navigation using Python and OpenCV.
- Integrated the software with electronic components and built a user interface for monitoring and controlling the robot.

Computer Programmer Intern | Mbsan Grup | June 2019 – September 2019

- Contributed to C#-based enterprise applications and MS SQL Server databases; wrote T-SQL queries.
- Gained hands-on experience with Windows Server, VMware, and basic network configuration.

PROJECTS

ilanlarim.com — Multi-tenant SaaS CRM for Real Estate Agencies | Founder & Full-Stack Developer | 2025 – Present | ilanlarim.com

- Designed and built from scratch a multi-tenant SaaS platform for property listing, client, and agent management; live commercially since July 2026, with Başkent Gayrimenkul Kuşadası as the first customer.
- Built a layered architecture with ASP.NET Core Web API (Google Cloud Run), React + Vite + Tailwind CSS (Vercel), and Supabase PostgreSQL; implemented JWT + refresh token authentication, email verification, and Cloudflare Turnstile bot protection.
- Implemented per-agency data isolation, automatic subdomains (agency.ilanlarim.com) with custom domain support, role-based access control (RBAC) for agents, and audit logging.
- Delivered WhatsApp listing sharing, branded PDF brochure generation, an analytics dashboard, and per-agency branded gallery sites; built a React (Vite) based mobile app for the first customer.
- Also run pricing, the landing page, and customer acquisition for the product.

Meka İstif Makinaları — Corporate Web Platform | Freelance | 2026 – Present | mekaiستif.com.tr

- Rebuilt the legacy .com website of a forklift sales, rental, and service company with React + Vite and led the migration to the .com.tr domain; deployed on Vercel.
- Added WhatsApp contact integration and SEO with structured data (JSON-LD); currently developing a mobile app and admin panel for the company.

Social Piano — Real-Time Multiplayer Piano Platform | Personal Project / 2026 – In Progress | socialpiano.com

- Building a real-time social platform where users play piano together and chat in rooms, using React + Vite, Supabase Realtime (WebSocket), the Web Audio API, and Web MIDI.

TÜBİTAK 2209/A-Funded Autonomous Robot | Principal Investigator / 2024 – 2025

- Designed and built an autonomous robot with real-time lane tracking, QR code reading, object detection, and robotic arm manipulation using Python, OpenCV, Raspberry Pi, and Arduino.

TEKNOFEST — Digital Technologies in Industry Competition | Software Team Lead / 2023 – 2024

- Led the team developing the computer vision and autonomy software of an autonomous vehicle; developed indoor mapping and navigation infrastructure with OpenCV and SLAM.

TECHNICAL SKILLS

Programming Languages: C#, TypeScript, JavaScript, Python, SQL, T-SQL, Java, C

Backend: ASP.NET Core Web API, .NET, Entity Framework Core (EF Core), LINQ, Node.js, RESTful API, N-Tier Architecture, MVC

Frontend: React, Vite, Tailwind CSS, React Hook Form, Bootstrap, HTML5, CSS3

Databases: PostgreSQL, Supabase, MS SQL Server, MySQL, Database Design

Security & Architecture: JWT, Refresh Tokens, Role-Based Access Control (RBAC), Multi-tenancy, CORS

Cloud & DevOps: Google Cloud Run, Vercel, Docker, GitHub Actions, GitLab CI, Git, Linux

Testing & API Tools: xUnit, Postman, Swagger / OpenAPI, GraphQL, WebSockets

AI & Computer Vision: OpenCV, SLAM, Scikit-learn, Machine Learning

AI-Assisted Development: Claude Code, OpenAI Codex, Antigravity, Pull Requests & Code Review

Robotics: Raspberry Pi, Arduino, Autonomous Systems

EDUCATION

B.Sc. in Computer Engineering | Yalova University / 2020 – May 2026

Associate Degree in Computer Programming | Istanbul University-Cerrahpaşa / 2018 – 2020

ADDITIONAL INFORMATION

Languages: Turkish (Native), English (B2), German (A2)

Military Service: Deferred

Driver's License: Class B