

Ahmet Burak Tekin

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About Me

Front-end-focused full-stack developer specializing in enterprise-scale applications with a proven track record of delivering systems that impact thousands of users daily. Led the complete front-end architecture design for Turkey's Ministry of Interior authorization management system and built a wide range of internal products — from a schema-driven data-querying platform and personnel scheduling tools to a customized Jitsi video-conferencing solution and a self-hosted generative-AI platform — while also delivering a freelance, regulation-compliant (ISO/IEC 27001, KVKK) tele-dermatology platform end-to-end. Combines deep expertise in the React/TypeScript ecosystem (extending into React Native, SvelteKit, and Node.js/tRPC back-ends) with strong leadership skills, currently mentoring a team of 4 developers while driving digital transformation initiatives. Committed to continuous growth through active participation in international civil society organizations.

Experience

Software Developer, Ministry of Interior (Türkiye) – Ankara Dec 2022 – Current

- Led a team of 4 front-end developers, overseeing project management, technical implementation, and mentoring activities across multiple enterprise applications
- Designed and implemented the complete front-end architecture using React.js for one of the organization's core projects at the Ministry of the Interior (Türkiye), a comprehensive authorization management system with Java Spring Boot backend that:
 - Manages permission requests, approvals, and updates across all administrative offices nationwide
 - Provides detailed statistics and reporting capabilities for authorization management
 - Streamlines administrative workflows throughout all regional government offices
 - Contributed to backend development and API integration processes
- Maintained and enhanced the centralized authentication project utilizing JWT and OAuth protocols that provides secure tokens for all applications within the organization's ecosystem
- Serve as maintainer for a nationwide analytics platform serving across 81 provinces, ensuring system reliability and performance optimization across multiple government agencies
- Developed from scratch a comprehensive, schema-driven data querying application (React 19, TypeScript, TanStack Router/Query/Table) where dynamic entity and field definitions auto-generate forms, enabling complex relational data analysis, filterable reporting, and charting for nationwide administrative data
- Developed a specialized application enabling users to upload, process, and download photographs through customized form submissions
- Built a customized enterprise video-conferencing solution on top of Jitsi Meet, adding LDAP directory login, scheduled meetings, RFC-5545 ICS email invitations, and multi-channel (email, push, in-app) reminders for organization-wide use, including its Turkish localization
- Delivered a self-hosted, institution-specific generative-AI chat platform by customizing and extending Open WebUI (Svelte/SvelteKit), with role-based access control, retrieval-augmented generation (RAG), and on-premise LLM integration
- Developed a personnel attendance and timesheet management application (React 19, TypeScript, TanStack, Tailwind/shadcn) with reporting and gateway-proxied API integration
- Built a shift and duty-roster scheduling application featuring advanced data tables and multi-sheet PDF export (React 19, TypeScript, TanStack Form/Table, jsPDF)
- Developed an audio transcription and Turkish-translation workflow tool for archival recordings, with segment-boundary waveform editing, voice-activity-detection auto-segmentation, multi-user soft-locking, and JSONL/CSV/HuggingFace export (React 19, TypeScript, Zustand, TanStack Query)
- Contributed the Turkish localization for Apache Answer (open-source Q&A platform) and deployed it internally as the organization's self-hosted knowledge-base and Q&A platform
- Directed the successful development of four additional mission-critical applications:

- An internal visitor management system for tracking and processing organizational visits
- A comprehensive hotel management system for the organization's internal accommodation facility
- Provided mentorship and technical guidance for internal audit management application
- Delivered mentorship support for institutional procurement management system

Web Developer, EBS Computer Systems & IT – Ankara Mar 2019 – Jan 2022

- Gained hands-on experience in front-end development using HTML, CSS, and JavaScript, delivering responsive and user-friendly web pages.
- Developed and maintained PHP and WordPress-based websites, optimizing performance and user engagement.
- Managed SQL databases for reporting processes, writing efficient queries, and rules to support accounting software workflows.

Summer Intern, EGO General Directorate – Ankara Jul 2016 - Aug 2016

- Observed enterprise-level software distribution processes and acquired knowledge of ERP systems implementation in a public sector environment, focusing on operational principles

Summer Intern, PRO-DAY Software & IT – Ankara Jul 2015 - Aug 2015

- Participated in web application development using HTML, CSS, JavaScript, and Git while gaining insight into SME software development workflows through collaboration in a 25-person company

High School Intern, Halkbank Branch – Ankara Sep 2013 - Jun 2014

- Contributed to technical tasks and operations while experiencing long-term corporate culture during an extended high school internship, gaining initial exposure to professional software development workflows

Education

Anadolu University, BS in Management Information Systems Sept 2018 – Aug 2026

Ankara University, Associate Degree in Computer Programming Sept 2014 – May 2016

Achievements and Certifications

Professional Achievements

- Introduced modern industry practices into internal workflows, enhancing maintainability and scalability of enterprise systems.
- Led migration from JavaScript to TypeScript across multiple projects.
- Reduced CI/CD pipeline build times by 75% through Vite integration.
- Standardized front-end components to align with institutional UI/UX guidelines.
- Optimized team workflows by integrating structured code review and documentation practices, increasing overall development efficiency.

Certifications and Trainings

- **Data Analysis School (Veri Analizi Okulu)** – Council of Higher Education (YÖK) (Oct 2025 – Jun 2026)
- **Cisco Certified Trainings**
 - CyberOps Associate (Feb 2022)
 - CCNA: Introduction to Networks (Jan 2022)
 - Introduction to Cybersecurity (Dec 2021)
- **Web Design and Coding Certificate Program** – Anadolu University (May 2021)
- **Git Training** – Akdeniz University (Apr 2021)
- **Akbank Certified Trainings**: Metaverse 101, Innovation and Entrepreneurship 101, Analytics 101 (Mar 2021)

Projects

DermaCep – Tele-dermatology Platform (Freelance) 2025 – Current

- Built a cross-platform tele-dermatology platform (iOS/Android via Expo & React Native, web via React) enabling remote patient–dermatologist consultations
- Implemented secure video consultations (Jitsi), skin-case photo uploads, real-time messaging (Supabase), biometric authentication (Face ID/Touch ID), payments, and appointment scheduling
- Developed the backend with Fastify, Prisma, and PostgreSQL using tRPC end-to-end type safety, e-prescription (ICD-10) support, and KVKK-compliant audit logging
- Prepared a production compliance and certification package (USBS & KVKK) and obtained Ministry of Health approval, passing ISO/IEC 27001 and SPICE (ISO/IEC 15504) Level 2 audits

Technologies

Front-end & Mobile: React.js (React 19), Vue.js, Next.js, Svelte.js / SvelteKit, React Native, Expo, Electron, TypeScript, JavaScript, PHP, Python

State, Data & Forms: Redux, Zustand, Recoil, TanStack (Query, Router, Table, Form), tRPC, Zod, React Hook Form

UI/Styling: Tailwind CSS, shadcn/ui, Material UI, Radix UI, PrimeReact, Flowbite, Pico CSS, PrimeFlex, Bootstrap, Styled Components

Build, Tooling & Data Viz: Vite, Jest, Vitest, MSW (Mock Service Worker), Biome, dnd-kit, Recharts, jsPDF, xlsx, Figma, Framer

Back-end & Database: RESTful APIs, Fastify, Express.js, Java Spring Boot collaboration, JWT, OAuth 2.0, PostgreSQL, Prisma, Supabase, SQLite, SQL optimization

AI & Self-hosted Platforms: Open WebUI, Jitsi Meet, Apache Answer, RAG / on-premise LLM integration

Volunteer Work

JCI Europe 2024 – 2025

- Development Council Officer at Outreach & Engagement Team (2025)
- Development Council Officer at Impact & Promotion Team (2024)

JCI Ankara 2022 - 2025

- Secretary General (2025)
- Board Member responsible from Digital Platforms (2024)
- Board Member responsible from Growth and Development (2023)
- Joined through *JciThon: Sustainable Entrepreneurship Journey Program* (2022)

Iyader, Youth Ambassador 2021