

HAKAN EMIK

Software Developer | Mobile, Backend & Frontend (React)

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SUMMARY

I am a software developer with hands-on experience in mobile and backend development. I build production-quality mobile apps using Kotlin, Jetpack Compose and Flutter, and robust APIs using ASP.NET Core. I design scalable architectures, integrate AI/ML services, implement security best practices, and deliver user-centric solutions. I have a solid foundation in modern development patterns such as MVVM, Dependency Injection and reactive programming, as well as DevOps practices. I'm now extending these skills into the web with Next.js and Tailwind CSS, and I continue to adapt quickly to new technologies as my skill set grows.

TECHNICAL SKILLS

Mobile Development: Flutter, Kotlin, Jetpack Compose, MVVM, Hilt DI, Coroutines, Flow, Navigation Compose, Bloc, Getx

Backend Development: ASP.NET Core Web API, Entity Framework Core, RESTful APIs, REST

Web Development: React, Next.js, Tailwind CSS (In Progress), HTML5, CSS3

Databases: PostgreSQL, SQLite, MySQL, Entity Framework

Tools & Platforms: Firebase (Auth, Storage, Crashlytics, App Check), Google Gemini AI, Docker, Git/GitHub

Networking & Data: Retrofit, OkHttp, Interceptors, Token Management, DataStore, Coil

Architecture & Patterns: Layered Architecture, MVVM, Dependency Injection, State Management, Repository Pattern

PROFESSIONAL EXPERIENCE

Software Development Long-Term Intern | Enelsis Industrial Electronic Systems

- September 2024 – May 2025
 - Developed Flutter-based mobile and web interfaces for in-house ERP system, improving user experience and operational efficiency
 - Built backend services with Node.js and PostgreSQL, optimizing data management and processing pipelines
 - Created smart agriculture mobile application processing real-time sensor data for automated irrigation management
 - Implemented state management solutions using GetX and Bloc patterns for scalable application architecture

KEY PROJECTS

Ortak Akil - Social AI Decision Support App - Personal Project (Android, Published, [Ortak Akil Play Store](#))

Kotlin, Jetpack Compose, MVVM, Hilt, Coroutines, Firebase, Google Gemini AI, Retrofit, DataStore

Production-ready Android application enabling users to ask AI questions, share insights, and build a collaborative knowledge base. Implemented MVVM architecture with Hilt dependency injection for maintainability. Integrated Google Gemini AI for intelligent responses and used Firebase for media storage and crash analytics. Built modern UI using Jetpack Compose, state management via Flow, and background tasks with WorkManager. Developed JWT token refresh and secure authentication mechanisms. Features include discovery feed, social interactions (likes, comments), user moderation, and onboarding. Published on Google Play Store.

Ortak Akil - Decision Support Platform (Backend API) - Personal Project (August 2025 - January 2026)

ASP.NET Core Web API, SQLite, Entity Framework Core, Google Gemini AI, JWT, Docker

RESTful Web API supporting the Ortak Akıl platform. Integrated Google Gemini 2.0 Flash with intelligent caching for optimized AI responses. Implemented 4-layer architecture ensuring scalability and testability. Secured with JWT authentication, BCrypt hashing, and OAuth 2.0. Containerized with Docker for seamless deployment.

Personal Portfolio Website - *Personal Project* (April 2026 – Ongoing)

Next.js, React, JavaScript, Tailwind CSS, Responsive Design

Designing a dynamic portfolio website using Next.js and component-based architecture to gain hands-on experience with modern web development. Applying mobile-first (responsive) design principles to effectively showcase my projects and technical skills online. Integrating React hooks and state management patterns, reflecting quick adaptability to new technologies.

Health Assistant Application - *Personal Project* (February - April 2024)

Flutter, Firebase, Google Maps API

Cross-platform mobile app enabling patients to track medications and locate nearby pharmacies and hospitals

EDUCATION

Bachelor of Science in Computer Engineering | Necmettin Erbakan University

Graduated: May 2025 | Konya, Turkey | GPA: 3.25/4.00

LANGUAGES

Turkish (Native) | English (B1 Intermediate)