

HASAN SEMİH AKTAŞ

Mobile & Full-Stack Developer | React Native | AI/ML Integration | Cloud Architecture

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PROFESSIONAL SUMMARY

Results-driven Mobile & Full-Stack Developer with 3+ years of hands-on experience delivering production-ready cross-platform applications using **React Native**, **TypeScript**, and **Expo**. Proven track record of shipping AI-powered mobile apps to App Store and Google Play with active user bases. Deep expertise in **Generative AI integration**, **LLM APIs**, **computer vision**, and **serverless cloud architecture**. Adept at leading end-to-end product development from system design to CI/CD deployment. Passionate about clean architecture, performance optimization, and crafting exceptional user experiences with modern UI/UX patterns.

TECHNICAL SKILLS

Mobile Development: React Native, Expo SDK 52+, React Navigation, iOS & Android Native Modules, EAS Build/Submit, App Store Connect, Google Play Console, Push Notifications, Deep Linking

Frontend: React.js, Next.js 16 (App Router), TypeScript, JavaScript (ES6+), Redux Toolkit, Zustand, TanStack Query, Framer Motion, TailwindCSS 4

Backend & Cloud: Node.js, RESTful APIs, Firebase (Auth, Firestore, Functions), Supabase (Edge Functions, RLS), PostgreSQL, Serverless Architecture

AI/ML & GenAI: Google Gemini API, On-Device ML, TensorFlow Lite, Computer Vision, Image Processing, LLM Integration, Prompt Engineering

DevOps & Tools: Git, GitHub Actions, CI/CD Pipelines, Fastlane, Sentry, Vercel, Docker, Analytics (Firebase, Mixpanel)

PROFESSIONAL EXPERIENCE

Mobile Developer & AI Application Specialist — Repack Studio

Aug 2023 – Present

- Lead end-to-end development of cross-platform mobile apps using React Native and Expo, targeting iOS and Android with shared codebase architecture and 95%+ code reuse.
- Architected and shipped "**Effease – AI Photo Studio**" integrating Google Gemini 2.5 Flash for real-time AI image transformation; available on [App Store](#) & [Google Play](#).
- Implemented GenAI features leveraging computer vision APIs and LLM-powered prompt engineering for intelligent photo enhancements and style transfers.
- Built scalable state management with Zustand and TanStack Query; integrated Supabase with Row-Level Security for real-time database, authentication, and edge functions.
- Managed full release cycle using EAS Build/Submit with automated CI/CD via GitHub Actions; reduced deployment time by 60%.
- Developed marketing websites for mobile products using Next.js and TailwindCSS with server-side rendering and SEO optimization.

Frontend Developer — Strajedi

Jan 2023 – Aug 2023

- Developed high-performance web applications using React.js, TypeScript, and Next.js with server-side rendering (SSR) and static site generation (SSG).
- Optimized Core Web Vitals (LCP, CLS, INP) through code splitting, lazy loading, and efficient component memoization; improved Lighthouse scores by 35%.
- Built reusable component library following atomic design principles with Storybook documentation and comprehensive unit testing with Jest and React Testing Library.
- Collaborated with UX/UI team in Agile/Scrum sprints; participated in code reviews, technical planning, and sprint retrospectives.

Frontend Developer — hub.studio

Mar 2022 – Dec 2022

- Built interactive single-page applications using React.js and Redux for complex state management; migrated legacy jQuery codebase to modern React architecture.
- Integrated RESTful APIs and WebSocket connections for real-time data synchronization and live collaborative features.
- Implemented responsive UI with Tailwind CSS; ensured cross-browser compatibility, accessibility (WCAG 2.1), and mobile-first design approach.
- Developed custom hooks and utilities to improve code reusability; reduced bundle size by 40% through tree-shaking and dynamic imports.

FEATURED PROJECTS

Effease – AI Photo Studio [\[Web\]](#) [\[iOS\]](#) [\[Android\]](#)

Full-stack mobile app with Google Gemini AI for intelligent photo editing. Features 50+ AI transformation effects (Anime, Cyberpunk, Artistic), token-based credit system, and Firebase Auth integration. Built with React Native, Expo, TypeScript, and Supabase.

FaceRateMax AI

Cross-platform mobile app utilizing TensorFlow Lite for on-device facial analysis and scoring. Implemented computer vision algorithms for real-time face detection without server dependency. React Native, Expo, Firebase.

- **Task Flow – SaaS Task Management** [[Live Demo](#)]
Full-stack Kanban-style task management platform with role-based access control (Owner, Admin, Member), drag-and-drop interface, and real-time collaboration. Next.js, Supabase, PostgreSQL, TailwindCSS.
- **E-Commerce Multi-Vendor Platform** [[Live Demo](#)]
Full-stack e-commerce solution enabling merchants to create stores, manage products, and track orders. Features real-time analytics, inventory management, and low-stock alerts. Next.js, TypeScript, Firebase Firestore, TailwindCSS.
- **ALT F5 – Digital Collective Platform** [[Live Demo](#)]
Cyberpunk-themed digital media platform featuring full-screen comic reader, podcast hub, and indie game arcade. Keyboard/touch navigation, parallax effects, and SEO-optimized with dynamic metadata. Next.js 16, Zustand, Framer Motion, TailwindCSS.
- **Loki History – Interactive Mythology Website** [[Live Demo](#)]
Cinematic web experience exploring Norse mythology with interactive genealogy tree, artifacts section, and immersive parallax storytelling. Next.js 16, TailwindCSS 4, custom animations.
- **The Void – Cosmic Experience** [[Live Demo](#)]
Space-themed scientific exploration website featuring vacuum energy, time dilation, and cosmic void content. Framer Motion animations, responsive design, and dark cinematic UI. Next.js, TypeScript.
- **Beauty Center Booking App** [[GitHub](#)]
Mobile booking platform for beauty services with real-time availability, push notifications, and appointment rating system with photo uploads. React Native, Expo, TypeScript.
- **Encrypt Diary** [[GitHub](#)]
Privacy-focused note-taking app with AES-256 encryption using expo-crypto. Secure CRUD operations with key-based access control. React Native, Expo.
- **BlurFace – AI Privacy Tool** [[GitHub](#)]
AI-powered face detection and blurring application for images and videos using OpenCV. Real-time processing with adjustable blur intensity. Python, Django, Computer Vision.

EDUCATION

B.Sc. in Computer Engineering — Istanbul Medeniyet University, 2019 – 2023

LANGUAGES

Turkish: Native | **English:** Professional Working Proficiency (B2)