

SOHAIB KHAN

Full-Stack Developer | Enterprise Web, Mobile & AI / GenAI Applications

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PROFESSIONAL SUMMARY

Full-Stack Developer with 5+ years building production-grade enterprise web, mobile, and AI/GenAI applications. Strong in JavaScript/TypeScript with React and Next.js front-ends, and REST/microservice back-ends in FastAPI and NestJS secured by JWT authentication and role-based access control (RBAC). Hands-on integrating GenAI services — LLM APIs, RAG pipelines, chatbots, and vector databases — into decision-support dashboards. Experienced with cross-platform mobile delivery using Flutter and React Native (Expo), containerised (Docker) cloud-native deployment, CI/CD, UAT, secure SDLC, and post go-live monitoring and performance tuning. Delivered 5+ live applications on the Apple App Store and Google Play. Currently building enterprise fleet, HR, and operations platforms at Vision Solutions, Makkah.

CORE TECHNICAL SKILLS

Languages	JavaScript, TypeScript, Python, Dart, SQL
Frontend	React, Next.js, responsive UI, SSR / SSG / ISR, Redux, Hooks & Context, Tailwind CSS, HTML5, CSS3
Backend & APIs	REST APIs, microservices architecture, FastAPI, NestJS (Node.js/TypeScript), JWT authentication, RBAC, SQLAlchemy, Alembic, Pydantic, TypeORM, API contract design
AI & GenAI	LLM / GenAI API integration, RAG architecture, agentic AI workflows, chatbots, vector databases, semantic search, inference APIs, AI decision-support dashboards
Mobile	Flutter, Dart, React Native (Expo / Expo Go), iOS & Android, NFC, push notifications, Provider / Riverpod, OTA updates (EAS), App Store & Play Store deployment
DevOps & Cloud	Docker, containerised microservices, CI/CD pipelines, secure SDLC, Git, GitHub, GCP (Cloud Run, Cloud SQL, Cloud Storage), Firebase
Databases	PostgreSQL (indexing, migrations), Redis (caching, pub/sub), Firebase Firestore
Delivery	Agile delivery, UAT support, defect resolution, production deployment, monitoring & performance tuning, technical documentation (UI architecture, API contracts, deployment artifacts)

PROFESSIONAL EXPERIENCE

Full-Stack & Mobile Developer — Vision Solutions	Makkah, KSA Jan 2025 – Present
- Engineer Vision Fleet and Vision HR — two live enterprise platforms shipped to the Apple App Store and Google Play — using TypeScript / Next.js front-ends with FastAPI and NestJS microservices. - Design and build REST APIs secured with JWT and role-based access control (RBAC) for employees, managers, and administrators, documenting API contracts and UI architecture for downstream teams. - Deliver real-time capabilities — GPS tracking, geofencing, route optimisation, and live WebSocket dashboards — backed by Redis caching to meet enterprise performance targets. - Build and ship cross-platform mobile apps with Flutter and React Native (Expo), using Expo Go for rapid iteration and EAS for store builds and over-the-air updates. - Containerise services with Docker and run CI/CD pipelines to Google Cloud Run, supporting UAT, production deployment, monitoring, performance tuning, and post go-live support.	
Full-Stack Developer — Cloud Business Company	Dammam, KSA Aug 2024 – Jan 2025
- Delivered BeesApp, a live cross-platform retail loyalty platform, integrating REST APIs, NFC visit detection, a digital points wallet, and gamified retention flows for iOS and Android. - Used Redis pub/sub for live notifications and feed ranking; managed GCP infrastructure and Git / GitHub CI/CD release pipelines through to app-store deployment.	
Full-Stack Developer — CECOS College London	London, UK Nov 2023 – Aug 2024
- Built an academic portal with Next.js, FastAPI, and PostgreSQL, applying RBAC across faculty, staff, and student roles. - Developed React dashboards for performance tracking, reporting, and Moodle LMS data visualisation; integrated Redis session caching and Google Cloud Storage. - Deployed on Cloud Run with automated reporting pipelines that reduced manual administration.	
Full-Stack & Mobile Developer — Hoop	Peshawar, Pakistan Dec 2021 – Nov 2023
- Built internal business applications with Next.js, FastAPI, PostgreSQL, SQLAlchemy, Alembic, and JWT-secured REST APIs. - Containerised backend services and deployed on Google Cloud Run and Cloud SQL; implemented Redis caching and CI/CD workflows that improved response times and reduced database load.	

KEY PROJECTS

Flutter, Next.js, TypeScript, FastAPI, NestJS, PostgreSQL, Redis, WebSockets, Docker, GCP

- Live GPS tracking, geofencing, route optimisation, trip history, driver monitoring, and automated maintenance scheduling.
- Next.js admin dashboard with real-time WebSocket updates, RBAC, and analytics, backed by scalable API services on GCP.

Flutter, Next.js, FastAPI, PostgreSQL, Redis, GCP

- Full employee lifecycle — onboarding, attendance, payroll, leave, approvals, performance reviews, and reporting dashboards.
- Secure REST APIs with JWT auth, role-based permissions, Redis caching, and mobile-first workflows for employees, managers, and administrators.

Next.js, FastAPI, PostgreSQL, Redis, RAG, Vector DB, LLM APIs

- AI legal assistant with semantic case retrieval, AI-assisted drafting, and a legal Q&A chatbot built on RAG pipelines and vector search.
- Next.js decision-support dashboard that reduced legal research and drafting time from hours to seconds.

Flutter, FastAPI, Agentic AI, RAG, Vector DB, Firebase

- Personalised health and pregnancy-stage recommendations using RAG and vector search.
- Agentic multi-step AI workflows with LLM API integration, served by FastAPI and a smooth Flutter experience.

FastAPI, Next.js, PostgreSQL, Redis, Docker, Google Cloud Run

- Cloud-hosted inference system with secure user access, prediction history, admin review workflows, and performance dashboards.
- Redis inference caching and FastAPI model serving on Cloud Run — sub-3s prediction latency and 93% classification accuracy.

EDUCATION

LEADERSHIP

- Managed corporate and government sponsorships and helped lead USS EXPO 24 with 2,000+ participants.

LANGUAGES

English (Fluent) • Urdu (Native) • Arabic (Basic)