



MUHAMMAD KHUZAIM SAJJAD

Mobile Application Developer

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PROFILE SUMMARY

Detail oriented Software Engineer with hands on experience building cross platform and native iOS mobile applications using Flutter, react-native and Swift. Skilled in full stack mobile development with Node.js. Passionate about crafting pixel perfect, high performance UIs and integrating real time APIs eager to grow through challenging real world projects.

EDUCATION

Karachi Institute Of Economics & Technology (KIET)

2022 - 2026

- Bachlors Of Engineering In Software Engineering

TECHNICAL SKILLS

- Flutter/Dart
- Swift/SwiftUI
- React-Native
- MongoDB
- PostgreSQL
- Node JS
- Express JS
- Unity Hub
- Firebase
- Git/GitHub

LANGUAGES

- English (Fluent)
- German (Basics)

WORK EXPERIENCE

Full Stack Mobile Developer | Hashmi Innovations

FEB 2025 - OCT 2025

- Developed a full stack mobile application using Flutter for the frontend and Node.js for the backend, delivering a smooth end to end user experience.
- Designed and managed MongoDB database schemas for efficient data storage and seamless integration with core application features.
- Collaborated with cross functional teams to architect and deploy scalable solutions, focusing on high quality app performance, UI responsiveness, and code maintainability.
- Implemented RESTful APIs, state management, and user authentication flows within the Flutter application.

iOS Developer Intern | Pakistan International Airlines (PIA)

JULY 2024 - AUG 2024

- Built the PIA iOS app frontend using Swift, creating smooth, responsive navigation across all iPhone screen sizes.
- Translated Figma/design mockups into pixel-perfect, interactive interfaces ensuring high performance on all iOS devices.
- Integrated real-time REST APIs for live flight booking, status updates, and user data management in collaboration with backend teams.

Software Developer Intern | Pakistan Aeronautical Complex (PAC) Kamra

JAN 2024 - FEB 2024

- Learned and worked with Odoo ERP, gaining hands on exposure to module configuration, workflow customisation, and data management within an enterprise resource planning environment.
- Assisted in implementing and customizing Odoo modules to support internal business processes, contributing to improved data accuracy and operational workflow efficiency.

PROJECTS IN PROGRESS

DealZone | E-Commerce Fluiter App

- **Feature-Rich Core Engine:** Implemented comprehensive end to end shopping workflows, including an interactive Flash Sale Engine with real time stock indicators, dynamic countdown timers, and integrated voucher/coupon frameworks.
- **Modular Architecture:** Structured the codebase with a clear separation of concerns, utilising global theme engines, reusable component libraries, and optimised stateful patterns for fluid, high performance UI updates.
- **End-to-End User Journeys:** Designed and integrated robust application layers including secure authentication flows, intelligent real-time search filtering, smart cart management, multi step checkout, and a visual order tracking timeline.

MediMeet | Modern Healthcare App

- **Full-Scale Ecosystem Development:** Engineered a comprehensive digital healthcare application integrating a specialized specialist discovery/booking engine, an e-commerce pharmacy hub with real-time tracking, emergency dispatch triggers, and a mental wellness journaling module.
- **State Management & Optimization:** Architected reactive data flows utilizing the Provider pattern for seamless real-time user profile personalization. Optimized cross-device layout rendering and standardised global ClampingScrollPhysics to deliver zero latency UX performance.
- **Premium UI/UX & Design Engineering:** Spearheaded a high end, professional minimalist redesign featuring complex splash animations, custom path clipping, unified dark/light theme systems, and high-fidelity Glassmorphism visual components.

KhabarIsTan | Modern News App

- **Full-Stack UI/UX Engineering:** Developed an ultra premium news application utilising a custom Royal Blue & Gold design system with Material 3, integrating Glassmorphism, cinematic staggered animations, and adaptive system level light/dark mode switching.
- **Advanced Feature Integration:** Built a local first AI News Reporting engine using text-to-speech (flutter_tts), integrated offline article bookmarking with local persistence via shared preferences, and implemented a secure authentication suite with modern profile management.
- **Modular Architecture & Optimisation:** Architected the codebase using Modular Clean Architecture with distinct service layers for network operations, text synthesis, and native web views (webview_flutter), optimizing performance using sliver layouts and fluid image caching (cached_network_image).

Travio | Travel & Booking Ecosystem

- **Full-Scale Ecosystem Architecture:** Developed a luxury, mobile first travel platform consisting of 40+ feature rich screens, seamlessly integrating high end hotel reservation engines, transport/flight routing modules, and a dynamic 3D perspective exploration carousel.
- **Geospatial & Interactive Mapping:** Engineered an intelligent destination discovery engine using flutter_map, latlong2, and geolocator, enabling real-time geospatial tracking, interactive local attraction mapping, and context-aware regional travel guides.
- **Premium UX & Micro-Interactions:** Spearheaded complex UI implementations using flutter_animate, incorporating immersive 3D/parallax transition flows, smooth list scrolling physics optimisations, and custom ticketing solutions powered by integrated QR code verification layouts.

Rydo | Modern Ride Hauling App

- **Core Navigation & Routing Engine:** Engineered an open source ride booking ecosystem featuring real path road routing using the OSRM API, replacing abstract straight line trajectories with accurate, street level paths and live ETA calculations.
- **Cost-Effective Map & Geospatial Architecture:** Integrated a lightweight, zero cost mapping system powered by flutter_map (OpenStreetMap), implementing dynamic, theme-aware map tile switching between CartoDB Voyager(Light Mode) and CartoDB Dark Matter (Dark Mode).
- **Advanced UI Logic & State Controls:** Developed a premium production-grade interface featuring glassmorphic overlay elements, localized wallet accounting (PKR), and asynchronous booking debouncing to prevent navigation glitches and double-booking race conditions.