

Abdullah Ahmad

Software Engineer

CONTACT

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EDUCATION

COMSATS University Islamabad | Feb 2022 - Dec 2025

Bachelor of Science in Computer Science (BSCS)

PROFESSIONAL EXPERIENCE

Flutter Developer | 2024 - Present

ServiceProvider.PK

Project: RadioCom ([Android](#) & [iOS](#) Application)

Led end-to-end development of a scalable cross-platform mobile application, from architecture to production.

- Implemented **real-time push-to-talk (PTT)** communication with low-latency audio streaming using **Flutter** and **LiveKit (WebRTC)**.
- Implemented **audio and video calling** with automatic reconnection and connection health monitoring using LiveKit (WebRTC).
- Implemented **live streaming** functionality with session stability and failover handling.
- Implemented **one-to-one and group chat** using a hybrid real-time architecture with **WebSocket and REST APIs**, supporting **reactions, read receipts, voice notes, and media sharing**.
- Implemented call signaling using **Firebase Realtime Database** and push notifications via **Firebase Cloud Messaging (FCM)**.
- Implemented a location-based **SOS emergency** feature broadcasting live GPS location and battery status using **Geolocator** and **Google Maps**.
- Implemented role-based channel and group management with **admin controls**, member permissions, invite codes, and user restrictions.
- Implemented subscription-based payments integration using **Stripe**.
- Implemented native incoming call experience on iOS using **CallKit**.

Flutter Developer | 2022 - 2024

CommitStash Pvt.Ltd.

Project: The Bread ([Android](#) & [iOS](#) Application + [Website](#))

Contributed to the development of a cross-platform mobile application, implementing key features and ensuring smooth functionality.

- Implemented core bakery **e-commerce** features using **Flutter** and **Node.js**.
- Implemented secure user authentication and authorization with **JWT tokens** using **Node.js, Express.js, and MySQL**, including login, registration, and role-based access control.
- Implemented product catalog, cart management, and order placement using **RESTful APIs, Node.js, and MySQL**.

- Implemented real-time product listings and order status updates using **Provider State Management** and **REST APIs** for smooth mobile performance.
 - Implemented location-aware delivery and address selection with **Google Maps API** and **Geocator**.
 - Implemented push notifications for order updates using **Firestore Cloud Messaging (FCM)**.
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OTHER PROJECTS

- **EFU mHealth (Android & iOS)** – Healthcare app enabling online lab services, doctor appointments, video consultations, medicine delivery, and integrated payments with JazzCash.
 - **Schoolz.me (Android & iOS + Website)** – Unified school management mobile app.
 - **Affordable Pest Control (Android & iOS)** – Pest control business management, with scheduling, job tracking, invoicing, and real-time technician performance dashboards.
 - **Private Elderly Care App (Android & iOS)** – Connecting families with caregivers.
 - **Ease Appointments (Android & iOS)** – Real-time bookings, schedule and expense management.
 - **Unique Jamaica Tours (Android & iOS)** – Browsing and booking Jamaican tours, with calendar-based reservations, pricing transparency, and seamless checkout.
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ACHIEVEMENTS

Winner | SOFTEC'25 National Hackathon | FAST NUCES, Lahore | Apr 2025

Built PAL, an AI-powered mobile assistant (Flutter, Firebase, OpenAI, ML Kit) delivering AI-based task automation, OCR, voice-to-text, and smart scheduling features within a tight deadline of 24-hours .