

Mohammed Ba Abbad

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SUMMARY

Mobile Application Developer specializing in **Flutter** and **React Native**, with a strong background in building high-quality, cross-platform applications for Android and iOS. Experienced in creating smooth user interfaces, optimizing performance, and implementing scalable application architectures. Also experienced in web development, with hands-on experience using frameworks like **Next.js** and modern front-end technologies.

EDUCATION

Universiti Teknologi Malaysia (UTM) <i>Bachelor of Computer Science (Computer Networks and Security)</i> CGPA: 3.81/4.00	Johor Bahru, Malaysia February 2021 – August 2025
– Actively participated in over 13 academic and extracurricular activities, enhancing teamwork and leadership skills. – Relevant Coursework: Application Development, Software Engineering, Object-Oriented Programming, Database Systems, Computer Networks, Network Security, and Web Technologies.	

PROFESSIONAL EXPERIENCE

Simpnify – Ventionex Innovations <i>Full-Stack Mobile Engineer</i>	Sep 2024 – Sep 2025 Johor, Malaysia
– Worked as part of a core development team to build an enterprise-grade mobile platform from the ground up using React Native and Flask. – Engineered and maintained critical modules including the SOP management system, action dialog chat automation, and AI-driven assistant integration. – Implemented real-time communication features such as video calls, chat, and location tracking with WebRTC, SignalR, and GPS services. – Collaborated cross-functionally to ensure consistent performance, scalability, and a seamless user experience across Android and iOS.	
Edumize Sdn. Bhd. <i>Graphic Designer & Social Media Manager</i>	Mar 2023 – Mar 2024 Johor, Malaysia
– Created visual branding materials and managed multi-platform social media presence, contributing to a notable increase in audience engagement. – Designed digital marketing assets and implemented content strategies aligned with brand objectives and analytics insights. – Collaborated cross-functionally with the marketing team to maintain a cohesive and professional brand identity.	
International Student Society (ISS-YEMEN UTM) <i>Media Committee Member</i>	Apr 2022 – Apr 2023 Johor, Malaysia
– Produced digital content and promotional campaigns that strengthened engagement and visibility among international student communities. – Supported event organization and communication strategies to foster collaboration and inclusivity across the student body.	
Arabic Culture Day (ACD 2022) <i>Media Committee Member</i>	Dec 2022 Johor, Malaysia
– Contributed to planning and executing one of UTM's largest cultural events by developing creative visuals and video content. – Enhanced event outreach and audience participation through targeted social media campaigns.	

PROJECTS

Simpnify – Mobile Unified Platform | *React Native, Expo, TypeScript, Flask, PostgreSQL, WebRTC* 2024 – 2025

- Contributed as a **Full Stack Mobile Developer** in building an enterprise-grade platform from scratch to centralize client operations and SOP management.
- Developed core modules including the **SOP workflow system, AI-powered assistant (Aura), and interactive action dialogs** enabling dynamic alarm responses with chat-based automation.
- Implemented **real-time video calls, messaging, and location tracking** using WebRTC, SignalR, and GPS services to enhance operational visibility and communication.
- Optimized UI rendering and modular architecture to ensure high performance and maintainability across Android and iOS.

Virtual Clinic System | *Flutter, Dart, Firebase Auth, Firestore, Agora SDK*

2025

- Developed a **cross-platform mobile healthcare application** enabling patients to book physical, virtual, and vaccination appointments within an integrated ecosystem.
- Implemented **real-time chat and video call systems** for patient–doctor communication using Agora SDK, alongside medical history tracking and digital prescriptions.
- Designed a responsive and accessible interface with a strong focus on usability, healthcare workflow efficiency, and data privacy.

UTMDash – Shipment Management System | *Flutter, Firebase Firestore, Firebase Authentication* 2023 – 2024

- Developed a mobile app to automate parcel management inside UTM campus, replacing manual warehouse handling.
- Implemented authentication, parcel tracking, and admin dashboards using Firebase services.
- Improved efficiency and reduced lost shipments through digitalized workflow.

Chef Henry Ribs House – Restaurant Website | *JavaScript, PHP, MySQL, HTML, CSS*

2023

- Developed a full-stack restaurant management web app for reservations and online ordering.
- Built admin and customer panels, streamlining table booking and order tracking.

CERTIFICATIONS

Amazon Web Services (AWS) Academy Cloud Foundations (2022)

CCNAv7: Switching, Routing, and Wireless Essentials (2023)

CCNAv7: Enterprise Networking, Security, and Automation (2024)

Cisco Network Security 1.0 (2024)

Cisco Network Programming (DevNet Associate) (2024)

TECHNICAL SKILLS

Programming Languages: TypeScript, Dart, JavaScript , Python, Java, C++, PHP, HTML, CSS.

Frameworks & Libraries: Flutter, React Native, React.js, Next.js, Flask, Jest, PyTest, Storybook.

Databases & Tools: PostgreSQL, MySQL, Firestore, PgAdmin.

Real-Time Communication: WebRTC, SignalR, RESTful APIs, Socket-based data streaming.

Dev Tools & Environments: Git, Docker, Android Studio, Visual Studio Code.

Hosting & Deployment: Firebase Hosting, Vercel, Docker Containers, CI/CD pipelines.

Soft Skills: Problem Solving, Critical Thinking, Adaptability, Creativity, Team Collaboration, Continuous Learning.

LANGUAGES

English (Fluent), Arabic (Native)