

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)

Johor Bahru, Malaysia

Bachelor of Computer Science (Computer Networks and Security) | CGPA: 3.81/4.00 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

Sep 2024 – Sep 2025

Full-Stack Mobile Engineer

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.

Mar 2023 – Mar 2024

Graphic Designer & Social Media Manager

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)

Apr 2022 – Apr 2023

Media Committee Member

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)

Dec 2022

Media Committee Member

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)