

Bassel Ismail Abdulhai

Software Developer | Flutter, Unity, XR & BIM Solutions



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Al Qassim, Saudi Arabia



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PROFESSIONAL SUMMARY

Software Developer with professional experience building cross-platform mobile and web applications using Flutter and Dart, alongside interactive 3D, virtual reality, simulation, and BIM visualization solutions using Unity and C#. Experienced in responsive user interface development, REST API and database integration, technical project coordination, and delivering software products from requirements analysis through deployment.

TECHNICAL SKILLS

- Mobile & Web Development: Flutter, Dart, Flutter Web, Responsive UI
- Unity Development: Unity, C#, 3D Applications, Virtual Reality, XR Development
- XR & Engineering Technologies: Meta Quest, OpenXR, BIM Visualization, Interactive Engineering Systems
- Backend & Databases: Firebase, Supabase, REST API Integration, SQL, MySQL
- Web Technologies: HTML5, CSS3, JavaScript, WordPress
- Programming Languages: Dart, C#, C, C++, Java, Python, PHP
- Development Tools: Git, GitHub, Visual Studio, Visual Studio Code, Bash

PROFESSIONAL EXPERIENCE

Software Engineer

Orbits Engineering Firm — Saudi Arabia

November 2025 – Present | On-site

- Independently developed an interactive BIM and virtual reality platform using Unity and C#, enabling users to explore engineering models, display BIM element information, navigate project environments, and perform distance and area measurements using Meta Quest headsets.
- Built a virtual reality panoramic tour platform that allows users to select projects, explore 360-degree environments, and navigate between viewing points using VR controllers.
- Created 3 Unity-based engineering and operational simulations, including Al-Masjid Al-Haram and Tawaf simulation, bus movement to Mount Arafat, and an interactive visual defect detection environment.
- Delivered 2 cross-platform Flutter applications: an asset management system for organizing and tracking assets, and an engineering equations application for creating, saving, and executing custom mathematical equations.

Team Leader — Feesh App

Jeddah, Saudi Arabia

August 2025 – Present | Part-time, Remote

- Oversee application updates, feature enhancements, release planning, and technical improvements.
- Coordinate with developers, define feature priorities, and provide technical guidance to maintain product quality and performance.

Moafer App Project Supervisor

Saudi Arabia

April 2025 – December 2025 | Part-time, Remote

- Supervised application updates, feature development, and product improvements.
- Collaborated with developers and designers to improve user experience, application performance, and alignment with business requirements.

Project Manager

TSP Software Company — Tabuk, Saudi Arabia

December 2024 – November 2025 | On-site

- Managed the end-to-end delivery of 9 software projects, including 3 mobile applications and 6 websites.
- Led cross-functional teams of developers and designers, monitored development progress, and supported quality and user experience improvements.
- Communicated with clients and stakeholders to gather requirements, report progress, and align project delivery with business objectives.

FREELANCE EXPERIENCE

Freelance Software Developer Self-Employed | [November 2021] – Present

- Developed Flutter mobile applications, responsive web platforms, administrative dashboards, and customized websites for multiple clients
- Contributed to the Maidani mobile application, a Flutter-based platform connecting landowners with engineers to coordinate engineering and field services.
- Developed trip expense and financial transaction management applications, enabling users to record, categorize, organize, and monitor financial activities.
- Developed a responsive Flutter Web platform with an administrative dashboard integrated with Supabase for authentication, backend services, and database management.
- Developed and customized responsive WordPress websites with a focus on usability, performance, and mobile compatibility.

EDUCATION

Bachelor's Degree in Computer Science and Education

Assiut University — Assiut, Egypt

September 2018 – June 2022

Grade: B+

CERTIFICATIONS

- Flutter Development Diploma — AMIT Learning Institute
90-Hour Training Program | September 2021
- Database and SQL Course — Udemy
June 2022

LANGUAGES

- Arabic : Native
- English : Professional Working Proficiency

ADDITIONAL INFORMATION

Valid Saudi Driving License | Military Service Completed