

Yousef Bin Madi

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SUMMARY

Full-Stack Engineer with 2 years of experience building AI-powered and scalable web/mobile applications using FastAPI, Next.js, React Native, Azure, PostgreSQL and cloud services. Built production systems involving payments, authentication, messaging automation, and multi-tenant architectures from idea through deployment.

EDUCATION

University of Wolverhampton

BSc (Hons). in Artificial Intelligence and Robotics - First Class Honors

Wolverhampton, West Midlands

Graduation, May 2024

EXPERIENCE

[Nowilo – AI Learning Platform](#)

Jun 2025 – Now

- Built and launched Nowilo, an AI-powered learning platform with 400+ users, enabling users to transform notes, PDFs, images, audio, and video into flashcards, summaries, and practice questions.
- Developed cross-platform mobile applications using React Native (Expo), a web platform using Next.js, and scalable backend services using FastAPI and Azure.
- Implemented secure authentication, subscription management, and payment systems using RevenueCat, Stripe, Apple Pay, and Google Pay.

[Whatabot - WhatsApp Automation Platform](#)

Dec 2025 – Now

- Designed and developed a scalable white-label WhatsApp automation platform for a client to resell and manage messaging services for their own customers, using FastAPI, PostgreSQL, Redis, and Azure Service Bus.
- Built queue-based messaging architecture supporting scheduled messaging, bulk campaigns, AI-generated responses, and retry mechanisms.
- Implemented a multi-tenant system allowing multiple organizations to independently manage users, campaigns, and automation workflows.

[Mosque Management Platform](#)

Nov 2025 – Now

- Built a multi-tenant management system using **Next.js and FastAPI**, to allow multiple users to use the platform.
- Developed student and program management features including attendance tracking, bulk actions, filtering, and automated WhatsApp messages to guardians based on absence patterns.
- Created an assignments and quizzes module (similar to ClassDojo) where teachers can send surveys or timed quizzes via shareable links, track responses live, and manage grading.

[Mosque Management Platform \(Legacy\)](#)

June 2024 – Nov 2025

- Developed an attendance system for one mosque using Django with Google Sheets API integration, allowing the user to have dynamic data from the sheet.
- Automated message sent via WhatsApp to guardians of absent students, enhancing communication oversight.
- Created a complex system for some cases where the student will be expelled after several consecutive absences and delivering different messages on how many days the student was absent for.

[ADMPP](#)

June 2024 – Nov 2024

- Designed and developed a responsive website for a custom packaging and box-printing company using PHP CodeIgniter.
- Designed UI/UX in Figma and collaborated directly with the client to align platform functionality with business requirements.
- Improved organic search visibility through SEO optimization, achieving top-2 Google rankings.

TECHNICAL SKILLS

Programming Languages: Java, Python, SQL, C#, JavaScript, PHP, HTML, CSS, TypeScript

Frameworks: Flask, Django, Docker, Next js, Fast API, CodeIgniter, Laravel

Cloud and Databases: Azure (VM, APP SERVICES, DATABASE, REDIS) , AWS (LAMBDA, EC2, S3)

Developer Tools: Git, PostgreSQL, MySQL, phpMyAdmin, Android Studio