

Mustafa Ayman Alhassny

Information Technology Engineer • Artificial Intelligence Specialization • React Native / Next.js Developer
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PROFESSIONAL SUMMARY

AI specialist and full-stack developer with 3+ years of experience building predictive models and cross-platform applications. Led development of AI-powered platforms, including a deepfake and fake news detection system and a financial services ecosystem. Delivered production mobile apps for clients across hospitality, finance and insurance, consistently improving performance and user experience through data-driven decisions. Passionate about leveraging machine learning and modern frameworks to create scalable, secure and user-centric solutions.

EDUCATION

Arab International University

Bachelor of Informatics Technology Engineering – AI Specialization

Damascus, Syria

Graduated Jun 2025

- Notable Junior Project: FUSE – Financial Universal Service Ecosystem (See Technical Projects)
- Notable Senior Project: Wave – Deepfake and Fake News Detection Platform (See Technical Projects)

EXPERIENCE

Brand in Mark Agency

Riyadh, Saudi Arabia (Remote)

React Native Developer

Jun 2024 – Present

- Led end-to-end delivery of cross-platform mobile apps for multiple clients, shipping three production releases on schedule.
- Produced scalable architecture diagrams and concise technical documentation to align stakeholders and accelerate development.
- Built maintainable full-stack solutions by integrating React Native frontends with Laravel APIs via Inertia.js, improving team velocity and code quality.
- Collaborated with designers, QA, and backend engineers to deliver stable, user-focused features, reducing crashes and improving overall app experience.
- Developed and published the *Bima* mobile app for iOS and Android; built the web front end with Vite and implemented the back end using Laravel.

Freelance Developer

Remote

Mobile & Web Application Developer

Feb 2023 – Jun 2024

- Developed a hospitality order management app (AceLounge) that improved table turnover by 15% and reduced customer wait times by 22% using React Native and real-time data synchronization.
- Created a custom dental insurance management platform for a US-based client, including secure data handling and claims processing workflows.
- Implemented a Petrol Drill Analysis System as part of a thesis project for the Syrian Private University, delivering a user-friendly interface for geological data visualization.
- Optimized API integrations across multiple projects, reducing latency by 35% through caching strategies and efficient data fetching.

Wave – Deepfake and Fake News Detection Platform

Feb 2025 – Jun 2025

Lead Developer

Damascus, Syria (Senior Project)

- Developed a dual-module system for misleading news and synthetic audio deepfakes with NLP analysis.
- Engineered audio deepfake detection using Wav2Vec2 models with optimal fitting on multilingual datasets.
- Built NLP pipeline with XLM-RoBERTa model, tuned for balanced precision and recall on news content.
- Created Flutter application with bilingual interface, offline caching, and push notifications.
- **Tech Stack:** Python, PyTorch, Flutter, Node.js, FastAPI, Transformers, PostgreSQL, Docker

TECHNICAL PROJECTS

Zones – World Clock & Timezone Collaboration App Independent Developer	May 2025 – Jul 2025 Damascus, Syria (Side Project)
<ul style="list-style-type: none">Built mobile applications to manage and visualize global timezones and to simplify group expense sharing, enabling remote collaboration and reducing settlement time by 40% for groups of up to 20 users.Implemented persistent state management with Zustand and AsyncStorage for offline functionality.Designed intuitive interfaces using Expo Router and NativeWind, leading to positive feedback from beta users and enhanced user retention (25%) through thoughtful UI/UX design and push notifications.Developed algorithms for complex expense distribution and implemented JWT-based authentication for secure access. <p>Tech Stack: React Native, TypeScript, Expo, Zustand, Luxon, Firebase, JWT Authentication</p>	

FUSE – Financial Universal Service Ecosystem Developer	Jan 2024 – Jul 2024 Damascus, Syria (Junior Project)
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- Built financial ecosystem with mobile wallets, P2P transfers, and AI-driven spending analytics.
 - Implemented RSA/AES-256-GCM encryption securing API's across web and mobile platforms.
 - Developed fraud detection model on 2.7M transaction dataset, achieving balanced metrics.
 - Created React Native wallet application with NFC/QR code payment and AI financial advisory features.
- Tech Stack:** Python, Node.js, React Native, Next.js, PostgreSQL, XGBoost, TypeScript

SKILLS

Programming Languages: Python, JavaScript/TypeScript, Java, C++

Frameworks & Libraries: React, React Native, Next.js, Tailwind CSS, Redux Toolkit, Zustand, Node.js, Express, FastAPI, Flask, Laravel, Prisma

Databases & Storage: PostgreSQL, MongoDB, SQL, Firebase, Redis, AsyncStorage

DevOps & Tools: Git, Docker, REST APIs, JWT, CI/CD, Expo, App Store & Google Play publishing

AI/ML: PyTorch, TensorFlow, Scikit-learn, XGBoost, LSTM, RNN, NLP, Classification, Feature Engineering

Security: RSA/AES-256-GCM Encryption, Secure API Design, Authentication Systems

Languages: Arabic (Native), English (Proficient)

CERTIFICATIONS

Meta: React Native (Jul 2024), Introduction to Android Mobile Apps

freeCodeCamp: JavaScript Algorithms and Data Structures, Responsive Web Design (2023)

Coursera: Introduction to AI — **Solearn:** JavaScript, C++, Java, HTML, CSS (2023)

References and detailed recommendation letters available upon request