

Alhassan Mousa

Cairo, Egypt | +201010071238
alhassan.mousa97@gmail.com | [website](#) | [linkedIn](#) | [Github](#)

SUMMARY

Problem-solver and React Native enthusiast with 3 years of experience creating mobile apps that balance speed, reliability, and usability. Skilled in NativeWind, geolocation services, and API integrations, I thrive on tackling technical challenges and optimizing every line of code to deliver polished, user-friendly apps.

EXPERIENCE

Mahaseel Masr | Mid-Level Mobile Software Engineer | Cairo, Egypt | OnSite OCT 2022 – Present

- Delivered end-to-end AI-powered farming products enabling farmers and agri-engineers to diagnose crop diseases, access expert guidance, and plan operations with weather-aware insights.
- Shipped core product features including image-based disease detection, AI chat, farmer communities, barcode certification validation, and GPS-based farm tracking.
- Built national-scale agricultural systems supporting farm verification, export compliance, fertilizer requests, and real-time field data collection.

ElMasyef | Mobile Software Engineer | Cairo, Egypt | Remote April 2025 – Present

- Contributed to improving booking, payment, search, calendar, and media workflows across mobile platform, resolving more than 50+ critical bugs and enabling >30% faster reservation and unit management for owners and guests.
- Enhanced UX and operational reliability by implementing deep-linking, iCal sync, multilingual support, offers/discounts visibility, and real-time notifications, increasing overall platform stability and user satisfaction.

CourseVox | Mobile Software Engineer | Cairo, Egypt | Remote April 2023 – OCT 2024

- Contributed to a cross-platform e-learning product delivering self-paced courses and certifications, improving mobile UX, performance, and content delivery.
- Worked on scalable API integration and interactive learning flows to support diverse learners across multiple industries and skill levels.

KEY COMPETENCIES

- | | | |
|----------------------------------|---------------------------------|---------------------------------|
| • React.js / React Native / Expo | • Problem-Solving | • Unit Testing |
| • Detox / Jest | • Zod | • Jira / Trello / Slack / Teams |
| • Redux / Zustand / MobX | • Android Studio / Xcode | • Operational Excellence. |
| • JavaScript / Typescript | • REST APIs / Socket.io | • React-Hook-Form |
| • Publishing and Deployment | • Push Notifications | • TanStack React-Query |
| • Firebase / Supabase | • CI / CD | • MMKV |
| • NativeWind | • Sentry / Firebase Crashlytics | • SQLite |
| • I18next | | |

EDUCATION

B.Sc. in Computer Science, Higher Technological Institute (HTI) NOV 2019

CERTIFICATES

- Oracle Fusion Middleware 11g with ADF at ZAD systems - 2017
 - CCNA routing & switching at HeroTec company - 2018
 - Udacity Android Developer Track - 2018
 - Udacity Data Analytics Track - 2018
 - BI Intern with IBM Cognos at IBM Egypt - 2018
 - Foundation of User Experience UX Design - 2022
 - MaharaTech MERN Stack developer track - 2022
-

PROJECTS

- **Qamhawey AgriTech & AI (React Native / Expo)** — AI-powered farming app for crop disease detection, weather insights, and farmer communities. Reduced disease diagnosis time by ~70% using image recognition and implemented real-time AI chat for on-field guidance.
- **ElMassyef Property Management (React Native / Expo)** — Rental management app for owners to manage units, reservations, and handovers with calendar tracking, PDF/iCal export, and WhatsApp sharing. Improved booking workflow efficiency by ~40% through multi-step forms, optimized keyboard/modal handling, and enhanced calendar/date management.
- **Mahseel Location (React Native / Expo)** — Maps and verifies farm coordinates and sizes for agricultural export compliance. Enabled accurate farm verification and geolocation tracking, improving export quality control.
- **Takweed (React Native / Expo)** — Supports farm registration, crop verification, and data collection for export compliance. Streamlined workflows, reducing data collection errors and enhancing export compliance efficiency.
- **CourseVox E-Learning (React Native / Expo)** — Cross-platform app offering self-paced courses and certifications across multiple industries. Improved mobile UX and API performance, supporting interactive content for diverse learners.
- **Mahaseel Talabat (React Native / Expo)** — Field data collection app for agricultural engineers, tracking geolocation and performance. Optimized real-time data capture and workflow management, increasing field operation efficiency.
- **Mahaseel Trace (React Native / Expo)** — Inventory and order management platform for the Egyptian Food Bank with real-time tracking. Enabled real-time monitoring of stock and orders, improving operational transparency.
- **al10th.com App (React Native / Expo)** — Food delivery platform connecting restaurants and supermarkets with customers. Implemented stable order flow and real-time tracking, enhancing delivery reliability.
- **QR Mahaseel (React Native / Expo)** — Verifies farms and health certificates via barcode scanning for agricultural compliance. Automated verification process, reducing manual checks by 80% and ensuring certificate validity.