

AHMED NABIL

Frontend Architect / AI Product Engineer

Building mobile & web apps end-to-end · rapid PoCs · system structure · LLM / API integration

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SUMMARY

Frontend Architect with 11 years building and shipping production web and mobile applications end-to-end (React, React Native, TypeScript, Node.js). Ships AI-powered features in production — LLM-driven agents with tool calling and streaming chat. A repeat zero-to-one builder: has started products from scratch across multiple companies, designing the architecture and first working structure that teams then build on. Comfortable working on multiple products in parallel and switching contexts quickly.

TECHNICAL SKILLS

AI / LLM LLM API integration (multi-provider), agents & tool calling, streaming responses, prompt engineering, speech-to-text (Whisper via Groq), semantic / vector search

Frontend React, React Native, TypeScript, JavaScript, Tailwind CSS, Shopify Restyle, Responsive Design

Backend Node.js, Express.js, Fastify, REST API design & service integration, Supabase, PostgreSQL, Prisma, MongoDB

Tooling Expo EAS (Build, Submit, Update/OTA), CI/CD & build automation, Sentry, LogRocket, Mixpanel, Cypress (web E2E), Apidog, Typesense, Agile (Scrum / Kanban)

EXPERIENCE

Frontend Architect / Lead **Althaqeel · Mannar**

Nov 2025 – Present · Remote

React Native · React · Monorepo

- Started the product from scratch: designed and architected the app for Althaqeel, a heavy-equipment rental platform, serving both providers and clients with company and individual account types — while remaining hands-on, developing features alongside the architecture work and acting as frontend lead.
- Set up the codebase as a monorepo, sharing logic and components across the web and mobile apps, integrating with the platform's backend APIs.
- Built the mobile delivery pipeline: GitHub Actions integrated with Expo EAS for automated builds and store submissions from the monorepo, with over-the-air releases via EAS Update.
- Also contributing to Mannar (mannar.sa), the company's Saudi legal-services consultation platform, developing features within the existing product.

Full-Stack / AI Product Engineer **Plena**

Apr 2025 – Nov 2025 · Remote

React Native · React · Node.js · Express · LLM APIs

- Started the app from scratch and shipped AI-powered product features: LLM agents with tool calling and streaming chat across web and mobile.
- Built and maintained REST APIs in Node.js / Express and cross-platform clients in React Native and React.
- Built Plena Autoscribe — offline-first audio/video recording with chunked, resumable uploads, local queue management, and background processing for continuous capture while the device is locked.
- Collaborated with product managers to translate product goals into technical requirements and shipped features.

Co-Founder & Mobile Lead **Ackoo**

Aug 2022 – Mar 2025 · Hybrid

React Native

- Led development of a cashback and rewards app with a dynamic, real-time home page.
- Designed faceted, typo-tolerant search with the Typesense engine for deals, offers, and merchants.
- Built WebView integrations for in-app merchant browsing and purchase tracking.
- Drove product analytics with Mixpanel and managed CI/CD pipelines via Microsoft App Center.

Mobile / Web Developer **ClubFeast**

Jun 2021 – Jul 2022 · Remote

React Native · React

- Built a four-part food-delivery platform: user app, driver app, dispatcher admin panel, and customer website.
- Implemented real-time order tracking and notifications, plus a Zendesk support-automation integration.

Team Lead (Freelance) Shezlong

2021 · Remote

- Led a freelance team building the app from scratch for Shezlong, an online mental-health therapy platform — set the project structure and architecture the team delivered on.

Mobile Lead Agile Technologies

Apr 2020 – Jun 2021 · Remote

React Native · React

- Built iOS/Android apps and responsive React web interfaces with state management and API integrations.
- Worked within Agile teams on sprint planning and cross-functional feature delivery.

Mobile Lead Teeela Toys

Jan 2019 – Mar 2020

React Native

- Built a toy-retail e-commerce app: product catalog with advanced filtering, cart, and secure payments.

Mobile Developer 360Imaging

Sep 2017 – Dec 2018

React Native

- Developed imaging/photography apps with camera integration, gallery management, offline storage, and cloud sync.

Web / Mobile Developer MOWE Solutions

Jun 2016 – Sep 2017

AngularJS · Cordova · Ionic · React Native

- Transitioned products from hybrid (Ionic/Cordova) to native React Native; built reusable UI component libraries.

Earlier Roles — Web / Mobile & Full-Stack Developer Technosignage · Medrar for Training & IT Services

2015 – Jun 2016

AngularJS · Cordova · Node.js · jQuery · MySQL

- Built hybrid mobile apps, AngularJS single-page apps, and full-stack web apps — including a scheduling system and an internal HRMS. At Medrar, prepared the company's first Node.js demo and app structure (an early adoption at the time) that the team then built on.

SELECTED PROJECTS

Shopsbook (2026, side project — shopsbook.app) — Designed and built the full product across four surfaces — mobile app, web app, browser extension, and dashboard — in a shared monorepo (React Native + React, Supabase/PostgreSQL). Built recurring purchase reminders with scheduled notifications, price-drop alerts, and a review system. Working prototype.

Testflows (2026, side project — testflows.app) — Test-case management web app — monorepo with React and Supabase (PostgreSQL). Working prototype.

Speacho (side project) — AI voice assistant — built end-to-end: React Native app with background audio recording (foreground services, notification quick actions), Node.js GraphQL backend with Prisma, Firebase authentication, deployed on Fly.io with CI/CD via GitHub Actions. Deployed; currently paused.

Ackoo (2022–2025) — Cashback app with Typesense-powered search, WebView purchase tracking, and a rewards wallet.

Yesser LMS (2020) — Learning platform with a custom dual Gregorian/Hijri calendar component and cross-system date conversion.

CaseMasters (2018) — Dental case-collaboration and professional networking platform, built from scratch — case uploads with image/document management, case discussions, and secure image storage.

EDUCATION, CERTIFICATIONS & LANGUAGES

B.Sc. Information Systems — Modern Academy, Cairo (2012) · ITIDA Scholarship: Java enterprise stack (2015)

Additional — Android (ITS, 2015) · Java SE (YAT, 2014) · Agile: Scrum & Kanban (2018) · Languages: Arabic (Native), English (Professional)