Hamdy Mohammed

Full-Stack Engineer — TypeScript · React · Node.js (NestJS) · PostgreSQL · Docker

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PROFESSIONAL SUMMARY

Full-Stack Engineer with **5 years** of professional experience building production web applications end-to-end — from **database architecture** and **REST APIs** to **React** user interfaces and **Docker** deployments. Founder and sole engineer of **Manifest ERP**, a live multi-tenant ERP (**React 19 + NestJS 11 + PostgreSQL**) running in production at 99.9% uptime. Fully remote since 2021 with international and Gulf client teams, integrating third-party services and webhooks (Stripe, Sumsub KYC, WhatsApp, Saudi Ejar / Nafath government APIs). Native Arabic, professional English.

CORE TECHNICAL SKILLS

Languages	**TypeScript, JavaScript (ES2023)**, SQL, PHP, HTML5, CSS3
Frontend	**React 19 (Hooks), Next.js 16 (App Router), TanStack Query, Redux Toolkit, React Hook Form + Zod, Vite**, Tailwind CSS, shadcn/ui · Vue 3 / Nuxt 3 · React Native / Expo · i18n + RTL
Backend & APIs	**Node.js, NestJS 11, REST API design, Swagger / OpenAPI, webhooks & third-party integrations**, JWT / OAuth, Socket.IO / WebSockets, BullMQ job queues, tRPC, Payload CMS 3 · Laravel 12
Databases	**SQL:** PostgreSQL (schema design, migrations, row-level security, database-per-tenant), MySQL / MariaDB · **NoSQL:** Redis, MongoDB · ORMs: TypeORM, Drizzle, Prisma
DevOps & cloud	**Docker** (blue-green zero-downtime deploys), **Git** + GitHub Actions CI/CD, Linux VPS + Caddy, Vercel, Supabase, Cloudflare (WAF), AWS S3 storage, Sentry
Quality	Vitest, Jest, Supertest (API e2e), Playwright, k6 load tests · PR-based code reviews, ESLint + Prettier + Husky, Agile / Scrum

PROFESSIONAL EXPERIENCE

Founder & Full-Stack Engineer · Prolink — Manifest ERP (live: prolinkeg.com)

Remote · 2025 – Present

React 19 + Vite + TanStack Query · **NestJS 11** · TypeORM · **PostgreSQL** · Socket.IO · **Docker** · Caddy · Vercel · Sentry

- Designed and built a **multi-tenant ERP** for manufacturing & export companies end-to-end and alone — production, inventory, sales, logistics, HR, finance and CRM — in production at **99.9% uptime**.
- **Database architecture:** a separate PostgreSQL database per customer company, resolved per request by a tenant middleware, plus a master database for users, companies and subscriptions — 125+ entities.
- **Backend:** 55+ NestJS feature modules on a generic CRUD service base class, JWT guards, WebSocket gateways, cron jobs and Swagger / OpenAPI docs.
- **Frontend:** a config-driven CRUD system in React that generates tables, forms and nested-creation sheets, so a new module is configuration, not new screens; Arabic / English with RTL.
- **Ops:** blue-green **Docker** deploys with health checks before traffic switches; structured logging and Sentry monitoring.

Co-founder & Technical Lead · Egypt Trip Maker (live: egypttripmaker.com)

Remote · Oct 2026 – Present

Next.js 16 (App Router, RSC) · **Payload CMS 3** · **PostgreSQL** · AI SDK · Zod · **Docker** · Caddy · Cloudflare R2 · Playwright

- Sole engineer of a tailor-made travel company's platform, built with two tourism partners and shipped in **4 weeks** (120+ reviewed PRs): packages, Nile cruises, day tours, shore excursions, safaris and transfers — 300+ indexed pages.
- **One server-side price engine** (integer cents, seasons, group-size tiers, multi-currency) behind booking sheets, private proposal links, a client portal, Excel price import and printable PDF itineraries.
- **AI trip designer** on AI SDK tool calling — the model never computes prices; tools call the price engine and search our own guides; per-IP and budget guards, mocked model in CI.
- Technical SEO (JSON-LD, sitemap, Consent Mode v2), WCAG 2.2 AA with axe; moved hosting from Vercel to a **self-hosted VPS** (Docker, Caddy, Postgres, R2) to cut cost.

Senior Full-Stack Engineer · Domais (Saudi Arabia)

Remote · 2025 – Present

Laravel 12 · Nuxt 3 / Vue · Next.js · PostgreSQL / MySQL · WebSockets (Reverb / Pusher) · AWS S3 · Docker

- Delivered multi-module SaaS for Saudi clients — **Aqd Ejar** (real-estate SaaS integrated with the **Ejar and Nafath government APIs**), **Mesej** (WhatsApp Business messaging with webhooks and AI agents), Amiral, Masajed.
- Built realtime WebSocket sync for high-concurrency inboxes; owned Docker + CI/CD zero-downtime deploys; refactored a legacy monolith, lifting **Lighthouse from 60 to 90+**.

Full-Stack Engineer · Contract projects (UAE · international clients)

Remote · 2024 – Present

- **BrixFund** (UAE fintech) — Next.js 16 + Supabase PostgreSQL: 27+ versioned **REST endpoints** with a generated OpenAPI spec, **Stripe** and **Sumsub KYC/AML webhooks**, BullMQ + Redis dividend workers, k6 load tests, Playwright E2E.
- **TRAXON** (AI trading agents) — Turborepo monorepo: NestJS worker with BullMQ scheduling / retries, Next.js 16 web app and Expo app sharing one type-safe schema (tRPC + Zod); tested with Vitest + Supertest + Playwright on GitHub Actions.
- **Grub** (food delivery) — Next.js admin dashboard, React Native customer app (Redux Toolkit, native Stripe checkout), Google Maps live tracking on a Supabase backend.

Senior Frontend Developer · Lexmodo

Remote · 2024 – 2025

- Standardized the frontend on a shared component library against high-frequency REST APIs; aligned API contracts with the backend team.

Frontend Engineer · Riadiat SA (Sole Developer)

Remote · 2023 – 2024

- Owned the client-side architecture of a Saudi multi-module enterprise web app; built an Atomic Design + Storybook component library, cutting new-module UI time ~30% and dashboard initial load ~25%.

Web Developer · Scandiweb

Remote · 2021 – 2023

- Shipped responsive e-commerce frontends for international clients with strict cross-browser and accessibility standards, in Agile, Git-based, Dockerized workflows.

HOW I WORK

- **End-to-end ownership** — schema, API, UI, tests and deployment; comfortable taking a feature from a client request to production.
- **Clean, tested code** — typed contracts (TypeScript + Zod), unit / e2e tests, and PR-based code reviews on every change.
- **Remote with international teams** — 5 years fully remote; written and spoken English with clients, async-first communication.

OPEN SOURCE · LANGUAGES

Open source: maintainer of **vue-hijri-gregorian-datepicker** on npm · **prolink-ai-agent** (tool-calling AI agent, ~11k LOC TypeScript) on GitHub.

Arabic — Native **English** — Professional working proficiency