Fares Mohamed Mostafa

MERN Stack Developer · Full-Stack Engineer · Freelance

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PROFESSIONAL SUMMARY

Freelance MERN Stack Developer with 12 production systems shipped end-to-end — SaaS platforms, maritime ERP and operations consoles, e-commerce, real estate, bilingual (EN/AR) CMS websites, a mobile app with its CMS, and government-scale applications. Owns the whole product: architecture, database design, RBAC and security, payment integrations (Stripe, EasyKash), real-time features and cloud deployment. Highlights include a dental clinic SaaS with 22 backend modules and ~760 passing tests, a shipping ERP tracking $2.4M in freight revenue, a real estate platform serving 50,000+ users with 500ms page loads, and a multi-tenant ERP processing 500,000+ invoices/month. Remote-ready, with a full case study for every project at fares-dev.com.

TECHNICAL SKILLS

Languages: JavaScript (ES2022+), TypeScript
Frontend: React.js, Next.js (App Router), Vite, Tailwind CSS, Redux, Framer Motion, Chart.js, Arabic RTL & EN/AR UIs
Backend: Node.js, Express.js (v5), REST API Design, JWT Authentication, bcrypt, CSRF Protection, Multi-Tenant Architecture
Databases: MongoDB, Mongoose ODM, DB Indexing, Aggregation Pipelines, TTL Caching
Integrations: Stripe, EasyKash, Cloudinary, Pusher, Socket.IO, Telegram Bot API, Nodemailer, Meta Pixel, MapLibre GL
Testing: Vitest, Playwright (E2E), Backup/Restore Drills
Security: AES-256-GCM Encryption, RBAC, Rate Limiting, NoSQL Injection Prevention, CORS/Helmet, Audit Logs
DevOps & Tools: Git, GitHub, Vercel, Firebase, Multer, Sharp (WebP), ExcelJS, jsPDF, Structured Logging

PROFESSIONAL EXPERIENCE

DentOS — Dental Clinic Management SaaS

Founder & Full-Stack Developer · Cairo, Egypt (Remote) | *March 2026 – August 2026*

Live: dentos.fares-dev.com · **Case Study:** fares-dev.com/work/dentos

- Independently architected and shipped a production dental clinic SaaS over 36 sprints: 22 backend modules covering scheduling, clinical records, finance, inventory, CRM, real-time chat, notifications, a public website builder and custom domains.
- Designed a multi-tenant architecture with clinic-scoped queries on every request, four portals with isolated auth systems and 20+ RBAC permission groups; finance, inventory, loyalty, CRM, chat and an AI assistant are gated per plan with feature flags.
- Built a booking engine with duration-aware slots and a database-level double-booking guard, plus a public 5-step booking wizard and an admin KPI dashboard with Excel export (ExcelJS).
- Delivered the clinical record with a per-surface FDI tooth chart and append-only tooth history, linked to treatment-to-inventory consumption, invoicing, payments and automated follow-ups.
- Implemented JWT authentication (15-min access + 30-day refresh tokens, httpOnly cookies), CSRF protection, account lockout and AES-256-GCM encryption for stored secrets, with zero plaintext exposure in logs.
- Covered the platform with ~760 passing backend tests (Vitest) and Playwright E2E journeys, hardened through seven audit cycles and a verified backup/restore drill.

FLOW — Logistics & Shipping ERP

Full-Stack Developer · FLOW Marine EG (Remote) | *June 2026 – August 2026*

Live: flowmarine.cloud · **Case Study:** fares-dev.com/work/logistics-saas

- Built a role-based shipping ERP (Next.js 15, Node/Express, MongoDB) that runs rounds, voyages, bookings, invoices and capacity planning in production, tracking 1,360 container bookings and $2.4M in freight revenue.
- Architected a dual-layer booking system (commercial estimates vs. operational execution) unified across reports, the capacity engine, vessel stats and exports; voyages are generated automatically from each service's route legs when a round starts.
- Wrote an idempotent Excel import that resolves every row's voyage from POL/POD and upserts by container number, so re-importing a sheet never duplicates data.
- Delivered 7 report types (Round P&L, Voyage Performance, Revenue/Expense, Booking Revenue) and an export engine for Excel, PDF (jsPDF) and ZIP bundles across 13 modules, with TTL caching for dashboard and capacity stats.

- Enforced RBAC across all 25 route files with module-level view / create / update / delete / override actions, and ran security audits covering NoSQL injection, CORS/Helmet and magic-byte upload validation.

NVOCC Export Console — Shipping Operations

Full-Stack Developer · FLOW Marine EG (Remote) | *2026*

Live: nvocc.flowmarine.cloud · **Case Study:** fares-dev.com/work/nvocc-system

- Built an export operations console for an NVOCC business: 8-section quotations with buying and selling rates per charge, live profitability and an approval lock with a permission-based override.
- Designed a five-step gated job workflow (Preliminary S/D → Booking → Depot → Final S/D → B/L) where each step lists exactly what is missing before it can close.
- Captured dangerous-goods data at quotation time (UN number, IMO class, packing group, MSDS files) and managed 3,300 containers in stock by type, carrier and depot, with Excel import and allocation to jobs.
- Implemented 21 named permissions across four built-in roles plus custom roles, with an audit log and PDF/Excel exports.

Sand Valley — Mobile App & CMS Dashboard

Full-Stack & Mobile Developer · Freelance | *2026*

Live: sand-valley.oneto-one.com · **Case Study:** fares-dev.com/work/sand-valley-app

- Built an Arabic mobile app and its CMS dashboard (React + Vite) for an agricultural inputs distributor: farmers browse seeds, fertilizers and insecticides and call the field engineer for their region.
- Designed a two-level catalog (category → type) shared by all three product sections, covering 28 categories and 97 products; the app reads everything from one API, so catalog changes reach farmers without an app-store release.
- Added home-screen images editable with a live phone preview, automatic WebP conversion and resizing on upload, and invite-only dashboard accounts with roles and email verification.

Valley Seeds — Bilingual Website & CMS

Full-Stack Developer · Freelance | *2026*

Live: valley-seeds.com · **Case Study:** fares-dev.com/work/valley-seeds-cms

- Built a bilingual (EN/AR) website and custom CMS for a vegetable-seed distributor, with 9 section editors that mirror the homepage and English/Arabic text and numbers edited side by side, rendered fully RTL on the public site.
- Shipped an editable ERP showcase panel, Meta Pixel PageView/Lead tracking, and contact-form leads saved to an inbox, emailed via SMTP and pushed to Telegram — all configured from the dashboard's settings.

One to One — Bilingual Website & CMS

Full-Stack Developer · Freelance | *2026*

Live: oneto-one.com · **Case Study:** fares-dev.com/work/one-to-one-cms

- Built a bilingual (EN/AR) company website and CMS for a field-trial company in Egypt's seed market: 16 section editors, image slots with size guidance, and per-crop market data with an auto-generated /market page.
- Delivered contact-form leads to a dashboard inbox, SMTP email and a Telegram bot, with write-only secrets that are never returned to the browser.

MultiFaith — Economic Support Platform (Backend)

Backend Developer · Freelance (Real Client) | *April 2026*

Live Demo: https://fares-dev.com/MultiFaith

- Built the backend and led API integration for a Saudi Arabia government-affiliated economic support platform processing 600,000+ applicant forms.
- Implemented eligibility calculation logic from income and household data, surfacing results for admin review workflows.

LectureBrain — AI Study Platform (Frontend)

Frontend Developer · Freelance (Real Client) | *April 2026*

Live Demo: https://fares-dev.com/LectureBrain

- Built the complete dashboard and frontend from scratch using Vite, React and Tailwind CSS for an AI-powered platform that summarizes lectures and generates exams.
- Led end-to-end API integration between the React frontend and AI backend services.

Aamana Classroom — Learning Management Dashboard

Full-Stack Developer · Freelance | *September 2025 – November 2025*

Live: dashboard-classroom.vercel.app · **Case Study:** fares-dev.com/work/classroom-dashboard

- Built an Arabic RTL admin dashboard (Next.js, Node.js, MongoDB) for an online classroom platform, with a 7-tab workspace per class (overview, students, videos, files, tasks, submissions, notes) and join codes.

- Engineered the enrollment flow: registration → plan → Stripe Checkout → webhook activation → email confirmation, with a pending-payment queue showing a countdown and a one-click resend of the payment link.
- Delivered 6 subscription plans from a weekly pass to a year and a reports page with 15 metrics across students, classes, content, subscriptions and transactions, counting earnings from successful payments only.

Aqarnna — Real Estate Platform

Full-Stack Developer · Freelance | *January 2025 – June 2025*

Live: aqarnna.com · **Case Study:** fares-dev.com/work/aqarnna

- Independently built a real estate platform for the Egyptian market, scaling to 50,000+ users and 50,000+ property listings with 1,000+ concurrent active users.
- Reduced page load time from 1.6s to 500ms by eliminating N+1 queries and adding MongoDB indexing and query caching on property search endpoints.
- Engineered the property flow: registration → OTP verification → subscription plan → EasyKash payment → admin approval → live listing, with a Telegram bot offering inline approve/reject buttons.
- Delivered an RTL Arabic UI with advanced search and filtering, full SEO (Open Graph, structured data) and dual-cookie JWT authentication.

Full-Stack E-Commerce Platform

Full-Stack Developer · Freelance (EGCODE) | *February 2025 – April 2025*

Live: store2.fares-dev.com · **Case Study:** fares-dev.com/work/ecommerce-platform

- Designed and delivered an e-commerce platform serving 5,000+ monthly active users and processing 3,000+ orders per month, on an Express 5 REST API averaging ~300ms response time.
- Implemented the order lifecycle: browse → cart → Stripe checkout → webhook confirmation → Telegram admin alert, with real-time status sync via Pusher.
- Built a separate admin dashboard with net-of-refunds revenue, order states and a staged refund workflow (requested → approved → product received → refunded), plus homepage ads and pages managed without code.
- Delivered an RTL Arabic storefront with variants, compare-at pricing and live stock, Cloudinary media storage and dual JWT authentication.

Multi-Tenant ERP System

Full-Stack Developer · Freelance | *February 2025 – April 2025*

Live: erb.fares-dev.com · **Case Study:** fares-dev.com/work/multi-tenant-erp

- Built a multi-tenant ERP handling 500,000+ invoices per month across 100+ workspaces, plus a single-tenant offline edition delivered to a private client.
- Developed an invoice engine with line items, live stock, VAT, partial payments and branch-prefixed numbering; branches carry their own VAT override and a switcher scopes every page.
- Generated warehouse and expense invoices automatically to feed a profit & loss report, and cut dashboard load time by 50% with cached analytics.
- Implemented granular role-based permissions with strict workspace isolation, plus Excel export of invoices and reports.

EDUCATION

New Cairo Technological University

B.Sc. Information & Communications Technology · *Graduated July 2026*

LANGUAGES

Arabic — Native · **English** — B1+ Intermediate