

Hamza Eldemery

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SUMMARY

Fullstack TypeScript engineer, 4+ years across React/Next.js and Node/NestJS. Comfortable owning a feature end-to-end — data model through UX flow. Recent work: replaced YallaEdara's manual enrollment process (admins handling bank transfers and Google Forms by hand) with a fully automated payment-to-certificate loop — \$26K processed in two months with zero human touchpoints. Previously led Medexsepeti's EJS → Next.js rewrite (Lighthouse 32 → 85, 15K users).

WORK EXPERIENCE

Flawtrack — Fullstack Engineer (Contract)

Apr 2025 – Present

Istanbul, Türkiye · Remote

- Hired to unblock a struggling frontend team. Took over the in-progress admin panel and built the vendor panel from scratch (React + TypeScript + GraphQL/Saleor) — product, order, and warehouse management modules now used daily by the operations team and sellers.
- Cut admin panel page load and TTI by ~40% through query restructuring, code-splitting, and moving heavy filtering off-demand into precomputed aggregates on the backend.
- Owned the product module end-to-end — data shape, seller-facing flow for adding and editing products, and the client-side state layer that handles complex updates where the backend returns data across multiple non-atomic queries without losing in-progress edits on refetch.
- Built a reusable React component system adopted across **40+ screens**, replacing ad-hoc per-screen implementations and standardizing patterns for the rest of the team.
- Acts as the main frontend reference for the product team (1 backend, 2 fullstack, 1 frontend). Introduced code review standards, story-point estimation, and feature planning workflow. Mentors the in-house frontend developer on performance, patterns, and review practice.

YallaEdara — Fullstack Engineer (Contract)

Jan 2026 – Apr 2026

Build phase: Jan 2026 – Apr 2026 · Ongoing maintenance · Remote

- Stabilized a partially-working bilingual (Arabic RTL / English) PMP certification LMS into a production system now serving **11K users with peak concurrent traffic of ~1.8K** (Umami + Google Analytics). Inherited state: broken payments, unreliable quiz module, 2000-line page components, unclustered PM2, prefetching every link.
- Replaced the previous manual enrollment process — bank transfers, Google Forms, admins enrolling users by hand — with a **fully automated payment-to-certificate loop**. Platform processed **\$26K in the first two months under the new system, zero human intervention** (Stripe + Paymob, auto-enrollment, auto-grading, auto-certification with QR validation).
- Migrated user, course, and certification data from a legacy .NET system — reverse-engineered the source code in places where the database was inconsistent (e.g. multiple URLs per video lecture) to understand the intended semantics. Designed the migration for incremental re-runs so the old site could keep running until the new platform was stable, with full reference preservation.
- Diagnosed a 429 rate-limit bug that only surfaced for power users with many courses, certificates, and exams — reproduced it by building a high-volume test profile, traced redundant API calls across the dashboard, redesigned the surface into grouped tab-loaded queries. Eliminated the empty-dashboard state for the most engaged users.
- Shipped a finance review module based on the client's tax-team workflow: period-based payment/invoice navigation, mark-as-checked / mark-as-taxed state, in active use by the finance team today; client roadmapped for government-API automation in a later release.
- Production hardening: clustered PM2 across 3 instances, right-sized the server, set up Sentry, and built an OpenAPI codegen pipeline (36 services, 495 models) to eliminate backend/frontend type drift.

Medexsepeti — Mid-Senior Frontend Developer

Apr 2023 – Apr 2025

Istanbul, Türkiye

- Led the frontend build of the React.js + Next.js admin and vendor portals from scratch, replacing a monolithic EJS stack — owned the logic flow, architecture, and feature implementation as the platform scaled to **15K active users (150+ sellers, 10K+ products)** in a niche dental-supply market, built to support multi-tenancy as a SaaS.
- Took Lighthouse performance from **32 to 85** over a few weeks: refactored expensive logic, reduced library chunk size, redrew the server/client component boundary, split above-the-fold APIs from below-the-fold, optimized SVGs, migrated images to WebP, and fixed accumulated SEO regressions.
- Co-designed the product variant system end-to-end with a backend engineer: backend data shape, seller-facing UX for adding variant pairs without losing context, and a consumer-facing flow that lazily loads variant availability on selection instead of loading the full matrix upfront. Now used across all 10K+ products.
- Spun up a white-label demo (CarSpace) on the same platform for a car-selling merchant — single-item carts and installment payments — full working demo in 3 weeks, proving the multi-tenant architecture's resale value.
- Mentored the in-house frontend developer with structured 1:1s, tracked learning focuses, and notable-mistake review cycles — in addition to informal code review.

Mindworks — Full-Stack Developer

Jun 2022 – Apr 2023

Remote (Malaysia)

- Built and optimized Next.js + GraphQL applications for NovaLearn and Lead Monkey, contributing reusable quiz and content modules and SEO/Lighthouse improvements on shipped pages.
- Integrated CI/CD pipelines and contributed to production deployment workflows.

PROJECTS

Mdares — Frontend developer (solo) · [mdares.ai](#)

Sept 2025 – Jan 2026

Bilingual (Arabic RTL / English) multi-country school discovery site for a Gulf-region client, live across six Gulf countries with country-scoped content swaps and routing. Next.js 15 App Router, React Server Components, Tailwind, Radix UI; Elasticsearch-backed advanced search, blog system, and SEO-optimized school pages.

SKILLS

Frontend: React.js, Next.js (App Router, RSC, Server Actions), TypeScript, JavaScript, Tailwind CSS, Radix UI, shadcn/ui, Material-UI, Redux, Zustand, TanStack Query, HTML5, CSS3, Internationalization (i18n / RTL), Performance optimization (Lighthouse)

Backend: Node.js, NestJS, GraphQL, REST APIs, Prisma ORM, WebSockets (Socket.io), JWT, OAuth, TOTP/2FA, Supabase Auth, Stripe, Paymob

Databases: PostgreSQL, Redis, Supabase

Tooling & Deployment: Vite, Bun, Turborepo, Jest, GitHub Actions, CI/CD, Docker, Nginx, PM2, DigitalOcean, AWS S3, Sentry

Languages: English (Proficient), Arabic (Native), Turkish (Intermediate)

EDUCATION & AWARDS

Bachelor of Computer Science (Software Engineering) — International Islamic University Malaysia (IIUM)

2019 – 2023 · CGPA 3.44 / 4.0

Awards (*competitive programming, ICPC-style*)

- **1st Place** — Prosolve National Competition, UITM Malaysia (2022) · 1 of 20+ teams
- **2nd Place** — PKKOM Malaysia (2022) · 2 of 60 teams
- **5th Place** — ICPC Malaysia (2019) · 5 of 34 teams