Nooreldin Hesham

Full stack Software Engineer

Email +201145838187 Egypt my Portfolio Linkedin Github

PROFILE

Full stack Software Engineer with 4+ years shipping production systems from high-concurrency e-commerce and enterprise fulfillment systems to AI-integrated SaaS

SKILLS

Frontend:
Next.js, TypeScript, React, Redux, Tailwind , SASS, HTML, CSS

Advanced frontend
Three.js, WebGL, Custom GLSL Shaders, GSAP, Framer Motion

Backend:
NestJS,Node.js, Express.js, MongoDB, Socket.io ,Redis, BullMQ ,GraphQL

Mobile & Integrations
React Native, Expo, Shopify Storefront API, Stripe, Paddle, Moyasar, Web Workers

PROFESSIONAL EXPERIENCE

Fullstack Software Engineer at Carecomm (Full-time) Oct 2026 – Present | Cairo, Egypt (Hybrid)

- Modernized a 7-year-old enterprise legacy codebase for a tier-1 regional e-commerce platform (Golden Collections), architecting a unified Fulfillment & Packing System (Node.js, GraphQL, MongoDB) that ingests omnichannel orders from Shopify, web, and mobile apps with on-the-fly fulfillment initialization and split-shipment support.
- Engineered a multi-operator packing & QC application featuring shared-device login with individual PIN authentication, admin-governed exclusive order locking, camera QR/barcode scanning with real-time audio feedback, and strict price/quantity validation to guarantee zero-error packing.
- Automated end-of-day courier handoffs, on-hold exceptions, and reverse-logistics restocking, building background workflows that batch daily shipments, dispatch automated CSV/email manifests to admins, and track per-operator KPIs and custom role-based views.
- Accelerated legacy system performance under peak warehouse load by implementing a multi-layer read-through cache backed by MongoDB Change Streams for instant, event-driven cache invalidation across live order queues and operator dashboards.
- Upgraded the core customer-facing mobile app and backend (Flutter, Next.js, GraphQL), shipping a region-targeted Notification & Campaign Engine (with real-time Shopify back-in-stock webhooks) and synchronizing local Hive cart state with live Shopify Storefront inventory to prevent checkout overselling.

Software Engineer at Masdr MENA (full time) Apr 2026 – Oct 2026 | remote

- Spearheaded an incremental, zero-downtime migration of a deeply coupled legacy JS/CSS codebase into a modular, strictly typed Next.js & TypeScript architecture, centralizing server-state caching and optimistic updates via TanStack Query.
- Contributed across the Ruby on Rails backend and REST API layer, aligning data contracts, optimizing payload serialization, and resolving 100+ production bugs across core B2B buyer/supplier workflows and real-time chat modules.
- Re-engineered the platform for full RTL/LTR multi-language responsiveness and acted as Primary Frontend Owner, driving technical alignment across UI/UX, QA, and Ruby on Rails backend teams to ensure zero-regression deployments.

Software Engineer at Sourcya (full time) May 2025 – May 2026 | remote

- Architected an Uber-style Fleet & Trip Management System (Next.js, TypeScript), enabling operators to filter historical and live trip timelines, select individual rides, and interactively navigate full route paths from origin to destination with detailed stop-point (waypoint) inspection.
- Engineered a 60 FPS GIS Live Map engine capable of rendering thousands of real-time moving vehicles, active trip polylines, and stop markers simultaneously—leveraging viewport lazy-loading, spatial marker clustering, and memoized HTML5 Canvas layers to eliminate DOM bottlenecks.
- Designed a real-time dispatching and fleet monitoring dashboard, allowing operational desks to configure multi-stage vehicle assignments, automated route triggers, and live status overrides with persistent multi-tab state management.
- Delivered pixel-perfect, animated product landing pages, translating complex UI/UX designs into ultra-responsive, high-frame-rate web experiences using Next.js, Tailwind CSS, and GSAP.

Fullstack Developer at Crettiva (Part time) Sep 2024 – present | Riyadh, Saudi Arabia (Remote)

- Built a centralized billing engine on Moyasar with client-side tokenization and Node.js transaction orchestration across company verticals.
- Designed an async AI review pipeline running 6 LLM/vision models via Redis + BullMQ.
- Shipped pixel-perfect Next.js/TypeScript product surfaces and interactive 3D web experiences (Three.js, GSAP), driving a 200% increase in organic web traffic and user engagement.

Frontend Developer — PwC engagement via Mobifly (Contract) May 2025 – Aug 2025 | remote

- Built two AI-powered Microsoft Office add-ins (Word, PowerPoint, Teams) for a PwC enterprise initiative, enabling automated summarization and in-place document edits.
- Shipped production NLP agents in a 2-week sprint, covering complex Q&A and realtime context inside the Office workflow.

Fullstack Developer At Right Mind (full time) May 2024 – May 2025 | Cairo 5th Settlement, Egypt

- Served as the Sole Frontend Engineer driving end-to-end UI architecture across company products, engineering a unified, plug-and-play Multi-Language Authentication System (2FA, Google/Social OAuth, Account Management) that was seamlessly migrated and shared across multiple production platforms with minimal configuration overhead
- Architected the flagship e-commerce platform for Orient Paints (Next.js SSR/ISR), building a multi-attribute product variant engine (color swatch matrices, volume/weight tiers, interactive quantity calculators, and datasheet pipelines) alongside hybrid local-to-account cart synchronization and wishlist workflows.
- Engineered a comprehensive Healthcare Booking & Medical Recruitment SaaS (Doctor-Nurse) featuring role-based access control (RBAC), bidirectional hospital-clinician scheduling, advanced doctor and job search engines, automated job invitations, and integrated meeting scheduling with pixel-perfect responsive UI.
- Delivered a custom infrastructure & server management control panel (cPanel-style dashboard), automating domain provisioning, DNS record configuration, and real-time server health monitoring.

EDUCATION

Bachelor of Computer and Information Sciences | Mansoura University 2021 – 2026

PROJECTS

Goods&U — Full-Stack Bilingual E-Commerce Platform
- Eliminated checkout overselling under concurrent demand by building a Redis-backed inventory lock service with per-variant TTL reservations and an integer-cent multi-currency pricing engine across 6 currencies.
- Unified 3 payment gateways (Stripe, Kashier, COD) behind an idempotent, signature-verified payment-strategy resolver with zero double-charges.
- Engineered a WooCommerce CSV migration pipeline with Arabic schema translation for 2,000+ catalog items alongside an ElevenLabs TTS and LLM conversational shopping assistant.

My portfolio website
- Engineered a high-performance website with custom WebGL shaders and animations driving 30,000+ unique visitors within 96 hours of launch.

Crawleo | AI Intelligence Infrastructure (SaaS)
- Built a privacy-first Web Scraping & Intelligence API integrating Model Context Protocol (MCP) to power AI agents with real-time web data.
- Architected a metered billing system using Paddle with strict zero-data retention policies, handling high-concurrency requests and complex subscription lifecycles.
- Implemented a "Guest-to-Customer" conversion pipeline to prevent ghost transactions and ensure data consistency across the financial lifecycle.

Creator & Core Engineer | BioBlob Simulation
- Developed a GPU-accelerated cellular simulation rendering 44,000+ interactive entities at 60 FPS using Three.js and custom WebGL shaders, offloading physics to Web Workers with spatial hash grids to reduce collision complexity from $O(N^2)$ to $O(N)$.
- Engineered an ultrasonic data transmission layer using ggwave (WASM) to encode live chat into audio frequencies, and launched an interactive WebGL portfolio driving 30,000+ unique visitors within 96 hours.

Dr. Games | Advanced Hybrid Marketplace
• Extended product ecosystem to mobile platforms by building a cross-platform application (React Native) with seamless real-time checkout and dynamic push notifications.
• Engineered a Hybrid Fulfillment Strategy pattern dynamically routing orders between automated API pipelines and secure manual admin workflows.
• Built a Dynamic Requirement Engine rendering schema-based input forms at runtime, enforcing pre-purchase validation to eliminate invalid order submissions.
• Optimized Next.js SSR caching using granular revalidate tags, reducing server load by 60% during multi-currency real-time conversions.

- **360 Home Offers : ** Delivered a complete rebuild implementing advanced GSAP animations and a custom data pipeline for **30,000+ entries**, resulting in a perfect **5.0/5.0 client rating**.
- **Alert System:** Engineered a high-performance alert system processing real-time sensor data, earning a **5.0/5.0 rating** for technical reliability.

LEADERSHIP & COMMUNITY

YouTube Content Creator | NoorTech
Founded and scaled an educational tech channel to 10,000+ subscribers and 100,000+ total views, producing deep-dive tutorials on React, Next.js, and Node.js architectures.