Nooreldin Hesham

Full-Stack Engineer

✉ Email   📞 +201145838187   📍 Egypt   🔗 my Portfolio   in Linkedin   ⭘ Github   ▶ Noor   ⅋ NOOReldien H.

PROFILE

I'm a Full-Stack Developer who specializes in crafting immersive, high-performance web solutions from the ground up. Whether building complex business platforms, real-time systems serving thousands, or stunning 3D experiences with Three.js, I thrive on turning ambitious ideas into polished, production-ready products that drive growth.

SKILLS

Frontend: TypeScript, React, Next.js, Redux, Tailwind CSS, SASS, HTML, CSS	Advanced frontend Three JS, Framer Motion, GSAP	Backend: Node.js, Express.js, MongoDB, Socket.io	Tools & Other: Git, GitHub, LeetCode, Data Structures, Algorithms

PROFESSIONAL EXPERIENCE

Frontend Developer at sourcya ⧉   2025 – Present │ remote
- Architected a vertical-agnostic FMS kernel orchestrating high-volume live assets across public transit and waste management verticals using Next.js and TanStack Query.
- Engineered high-performance Live Map engine achieving 60 FPS with massive entity clustering, lazy-loading viewports, and memoized marker configurations.
- Built a polymorphic dispatch system handling complex Multi-step assignments and dynamic validation workflows
- Created high-fidelity dashboards and interactive landing pages, ensuring pixel-perfect implementation of complex UI/UX designs.

Fullstack Developer At Crettiva (Part time) ⧉   09/2024 – present │ Riyadh, Saudia
- Designed a centralized billing infrastructure that routes payments from diverse company verticals to a single Moyasar merchant account. The system normalizes payment profiles, unifying customer financial history across all platforms.
- Implemented a secure tokenization flow where raw card data is handled client-side via Moyasar SDK, while the Node.js backend manages transaction orchestration and profile recording, ensuring PCI compliance.
- As the sole frontend developer, launched 5+ high-end websites featuring WebGL shaders, fluid dynamics, and complex physics engines, driving a significant increase in business inquiries.

Frontend developer at Mobifly (freelance)   05/2025 – 08/2025 │ India, remote
- Collaborated on an enterprise-level initiative for **PWC**, engineering two **AI-powered Microsoft Office add-ins** (Word, PowerPoint, Teams) for automated content summarization and in-place modification.
- Delivered production-ready NLP agents within a critical **2-week sprint**, handling complex Q&A logic and real-time context integration

Frontend developer At INVIA Egypt(part time) ⧉   03/2025 │ Cairo, Egypt
Architected a highly immersive storytelling website, engineering complex scroll-based narrative sequences using advanced GSAP ScrollTrigger, element pinning, and integrated 3D scenes.

Fullstack Developer At Right Mind ⧉   06/2024 – 06/2025 │ Cairo 5th Settlement, Egypt
- Built a reusable multi-language auth system (password, 2FA, social logins) adopted company-wide.
- created platforms with Next.js SSR/ISR, integrating payments, order management, and real-time notifications. ⧉
- Led healthcare SaaS development with subscriptions, scheduling, and rewards.
- Delivered full-stack solutions, including a custom control panel for domains, DNS, and server monitoring. ⧉

Free lancer At Upwork ⧉   07/2022
- **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.
- **Vega NFC Card** ⧉ **:** Developed an innovative NFC card solution with a custom e-commerce admin dashboard.

YouTube Content Creator │ NoorTech
Founded and managed a successful programming channel, producing in-depth tutorials and crash courses on React, Next.js, and Node.js, with real-world projects. ⧉

IEEE Vice Head & CAT Reloaded Supervisor
- Conducted private sessions and group workshops to mentor aspiring developers in technical skills and problem-solving.

EDUCATION

Faculty of Computer Information Sciences   2021 – 2025
Mansoura University

PROJECTS

My portfolio website ⧉
attracted over 30,000 visits within the first 4 days of launch.   ⧉

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**.
- Offloaded physics calculations to **Web Workers** and implemented spatial hash grids to optimize collision detection from $O(N^2)$ to $O(N)$.
- Engineered an ultrasonic data transmission system using **ggwave** (WASM) to encode chat messages into audio frequencies.

Dr. Games │ Advanced Hybrid Marketplace
- **Engineered a Hybrid Fulfillment Strategy** pattern that dynamically routes orders between automated API pipelines (Provider-based) and secure manual admin workflows based on product type.
- **Built a Dynamic Requirement Engine** that renders schema-based input forms (e.g., Player ID vs. Account Credentials) at runtime, enforcing strict "Pre-purchase Resolution" to guarantee 100% valid orders.

- **Implemented High-Performance SSR Caching** with Next.js revalidate tags and granular invalidation strategies, reducing server load by **60%** while handling real-time multi-currency conversion

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.

TOP CERTIFICATES

- CS50x: CS50's Introduction to Computer Science ⬀
- The Complete JavaScript Course 2023: From Zero to Expert! ⬀
- The Complete React Course 2024: React ,Redux and More! ⬀
- Node.js, Express,MongoDB more ⬀