OSAMA HUSSEIN

+201008815476 • osama@osmx.me • linkedin.com/in/itsosmx • github.com/itsosmx • www.osmx.me

SUMMARY

Full-Stack Engineer based in Egypt with 2+ years of experience in architecting and shipping production-grade applications from database schema to cloud infrastructure. Specialized in multi-tenant systems, real-time marketplaces, and AI-powered products. Built and deployed platforms serving fintech, edtech, and e-commerce verticals, handling everything from payment orchestration to deployments.

SKILLS

Frameworks: Next.js, React.js, Node.js, Express.js, Nest.js, Socket.IO
Languages: TypeScript, JavaScript
Databases: MongoDB, PostgreSQL, Redis
Cloud & DevOps: AWS EC2, AWS S3, Docker, Nginx
AI/Integrations: OpenAI API, HuggingFace, RAG Pipelines, Stripe, Stripe Connect
Communication: Arabic (Native), English (Professional)

PROFESSIONAL EXPERIENCE

Makan Design, Egypt/Remote: Full-Stack Software Developer Jul 2024 – Present

- Architected and developed a comprehensive full-stack platform that solves the central problem of lack of control and efficiency in design and build project delivery, unifying every stakeholder, document, decision, and financial metric into a single source of truth spanning from first client contact to final handover.
- Replaced a paid Airtable-to-Shopify sync with a custom Node.js ETL pipeline, cutting operational costs by 75% and sync throughput by 50%. Eliminated three third-party Shopify app dependencies natively in Liquid.
- Migrated all core business data (catalog, clients, projects, leads) from Airtable to MongoDB, removing reliance on third-party infrastructure.

Tafawwaq, Egypt/Remote: Full-Stack Developer (Part-time) Jul 2025 – Present

- Architected and developed a comprehensive online tutoring marketplace designed to bridge the gap between students and qualified educators through a seamless digital experience. The platform handles end-to-end tutoring workflows from discovery and booking to real-time video sessions and automated payouts.
- Delivered a mobile-first, internationally-ready frontend with server-side rendering, comprehensive state management, and reusable component architecture, ensuring optimal performance across devices and markets.

RELEVANT PROJECTS

RepyAI – AI-Powered Customer Support Platform Apr 2025 - Sep 2025

- Founded and architected RepyAI, a production-grade AI customer support SaaS platform serving multi-tenant organizations with real-time chat capabilities.
- Designed and implemented a custom Retrieval-Augmented Generation (RAG) pipeline that embeds knowledge base entries via HuggingFace inference API and performs a vector search within MongoDB.

Menulizer – Digital Menu for Restaurants Sep 2025 - Nov 2025

- Developed a production-ready digital menu SaaS platform serving restaurants and cafes with contactless QR-code ordering, real-time kitchen notifications, and multi-tier subscription billing.

Expenselizer – Personal Finance Tracking Platform Dec 2025 - Jan 2026

- Architected and developed a full-stack expense management SaaS from the ground up, delivering a dual-interface platform that serves users through both a responsive web dashboard and an intelligent Telegram bot.

EDUCATION

B.S. in Computer Science Graduated Jun 2024
Nahda University, Bani Sweif, Egypt
Relevant coursework: Database Systems, Software Engineering, Web Development