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Hassan Mohamed

Full-stack developer building products from early ideas to production, creating intuitive user experiences backed by reliable systems. I build with TypeScript, React, Node.js, and PostgreSQL, with recent projects in AI tooling and RAG pipelines for working with real-world data. I am always expanding my technical stack and flexible with timezones or relocation.

Education

Minia University 2019 - 2023
Bachelor's degree in Computer Science

Experience

Infomineo Cairo, Egypt Nov 2025 - Feb 2026

Junior FullStack Developer [Python, LangGraph, React]

- Contributed to BRAIN, an internal AI system integrating multiple LLMs and agent workflows for business research use cases, using Python and LangGraph.
- Worked on research tooling, including RAG ingestion workflows and converting source documents into structured, queryable data.
- Built fullstack features for AI tooling using React and Python.

Stunning Remote May 2025 - Aug 2025

FullStack Software Developer [Next.js, Nest.js, MongoDB]

Stunning is an AI platform for creating websites in seconds, trusted by 150,000+ users.

- Led the migration of the site editor from rigid templated approach to a conversational, AI-driven model so users could generate and refine sections through LLMs with full control.
- Replaced a third-party domain product with an in-house flow (DNS verification, SSL, routing), cutting vendor spend and giving the team end-to-end control of domains in production.

ELVocab Sep 2024 - May 2025

Indie Developer [React, Express, PostgreSQL, Prisma, TypeScript]

- Built from zero to production: frontend, backend, database, API integrations, deployment, and ongoing maintenance.
- Integrated 7+ third-party APIs (YouTube, Reddit, Spotify, Genius, Paddle, OpenAI) to let users import authentic content in their target language as study material.
- Processed imported content using Spacy and Stanza for scalable NLP extraction (tokenization, lemmatization, entity recognition), falling back to LLM-based extraction via OpenAI for lower-resource languages.
- Managed the full product lifecycle: user research, feature prioritization, monetization via Paddle, and community engagement. Ranked #3 Product of the Day on Uneed.com.

Software Engineering Intern [MEAN stack]

Pencil is an award-winning tool for online teaching. Developed by ex-engineers from top tech companies including Google, Facebook, and others.

- Ported the collaborative whiteboard experience for mobile devices, enabling real-time tutoring on the go.
- Optimized user onboarding by implementing a streamlined authentication flow with A/B testing to evaluate effectiveness.

Skills

Frontend: HTML5 - CSS3 - JavaScript - Typescript - React - Next.js - Angular - Tailwind

Backend: Node.js - Express - PostgreSQL - MongoDB - Prisma - Firebase - Nest.js

Tools: Git - Docker - Linux - Terraform

DevOps: CI/CD - Github Actions

AI Engineering: LangChain - LangGraph - MCP - RAG - LLMs

Languages

English - Arabic - French

Projects

Cryptocurrency Market Automation CLI [Freelance Project] Python

Built a Python CLI tool that monitored Binance market data, executed rule-based trading actions, and logged trades for later review and strategy analysis.

GTA Online Banking System [Freelance Project] Lua - MySQL, React.js, TypeScript

Multiplayer Game Mod

Built a configurable banking system for FiveM multiplayer servers, integrating with QBCore and ESX server frameworks and supporting account management, transfers, transaction history, and administrative controls.