

Mohamed Hassan *Software Developer*

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Profile

Passionate full-stack software developer specializing in AI-powered business apps and workflow automation. With years of experience building secure, scalable applications, I combine deep technical expertise with a keen eye for user experience. Whether working on the backend or crafting a seamless frontend, my goal is always to create solutions that enhance productivity and drive business growth.

Professional Experience

2024/09 – present
Freelance, Remote

Software Developer

Thek A.I. ☑

- **Led backend enhancements for subscription management:** Developed and optimized backend functionality for subscription features, including the ability to cancel, view, and edit subscriptions, ensuring seamless user control and improving overall system performance.
- **Led frontend and backend enhancements:** Successfully implemented critical design and functionality updates in alignment with Figma designs, ensuring seamless user experience across the platform.
- **Optimized templates feature:** Built and integrated 80+ AI templates into the Templates page, allowing users to generate, edit, and copy prompt results directly into the chat, elevating feature usability and user productivity.
- **Transitioned front-end framework:** Migrated landing pages from React to Next.js, improving performance and supporting SEO optimization for greater online visibility.

2023/04 – present
Freelance, Remote

Software Developer

MQO Research ☑

- **Engineered a comprehensive app-level encryption system** using symmetric and asymmetric cryptography, enhancing data security while maintaining accessibility for authorized users.
- **Implemented Docker containerization**, reducing deployment time significantly and improving scalability through CI/CD pipeline integration.
- **Integrated Stripe payment gateway**, enabling secure and seamless subscription management and payment processing for various services.
- **Developed multiple AI-powered applications:**
 - **Research Coder App:** Categorizes and codes responses from research surveys using AI.
 - **Audio Transcription App:** Transcribes audio files using AI technology.
 - **AI Chat App:** Enables user interaction with latest AI models, featuring chat folders and quick prompts (templates).
- **Designed and implemented an admin dashboard** for managing organizational subscriptions, user accounts, and application access.

2022/08 – 2023/03
Freelance, Remote

Software Developer

Petrolafuel ☑

- **Lead the development of a comprehensive data analysis system:** Integrated multiple data sources including 3rd party APIs, web scraping, and webhooks.
- **Generated actionable reports:** Transformed complex data into clear, strategic insights to support decision-making and business strategies..

Skills

Backend (Django), **Frontend** (NextJs & React), **CI/CD** (Github Actions), **Cloud** (AWS & GCP)