WALID HAMDY

Full Stack Developer | Node.js, React, Next.js & AI Integration

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SUMMARY

Full-Stack Software Engineer with 4+ years of experience building and maintaining reliable, scalable web applications and platforms using Node.js, Python, React, Next.js, JavaScript, and TypeScript. Delivered production dashboards, e-commerce experiences, CRM systems, customer portals, and database-backed applications with authentication, payments, REST APIs, and third-party integrations. Builds AI-enabled workflows using LLM APIs, RAG, LangChain, LangGraph, agents, tool calling, and MCP. Experienced in performance optimization, structured problem solving, Agile/Scrum delivery, and collaboration across multinational product, design, backend, and QA teams.

TECHNICAL SKILLS

Languages and Runtime: Node.js, Python, TypeScript, JavaScript (ES6+), HTML5, CSS3

Frontend: React.js, Next.js, App Router, Server Components, SSR/SSG/ISR, Angular, responsive UI

Backend and APIs: server-side Next.js, REST APIs, JSON, authentication, payments, external-service integration

Databases and Data: Prisma, MongoDB, MySQL, Firebase, Strapi, relational and NoSQL data modeling

State and UI: Redux Toolkit, Context API, Zustand, React Query, Tailwind CSS, Material UI, Framer Motion

AI Engineering: LLM applications, RAG, LangChain, LangGraph, AI agents, multi-agent systems, MCP, prompt engineering

AI Integration: LLM APIs, tool/function calling, structured outputs, embeddings, vector databases, semantic search

Engineering: scalable platforms, performance optimization, functional testing, debugging, accessibility, cross-browser reliability

Delivery: Agile/Scrum, Jira, Confluence, Git, GitHub, branching, code reviews, pull requests, Webpack

PROFESSIONAL EXPERIENCE

Full-Stack Developer (React / Next.js) - Boutiqaat, Egypt (On-site)

10/2025 - Present

- Develop and maintain reliable production dashboards and administration platforms with React, Next.js, and TypeScript for data-heavy business workflows.
- Integrate REST APIs and JSON data across modules while managing shared application state with Context API.
- Build scalable, reusable, responsive UI components and contribute through Git branching, pull requests, and collaborative code reviews.
- Apply Next.js App Router, Server Components, SSR/ISR, lazy loading, and efficient data-fetching strategies to improve performance and maintainability.
- Collaborate with product, design, backend, and QA stakeholders on API contracts, system integration, troubleshooting, and Agile/Scrum delivery using Jira and Confluence.

Front-End Developer & SEO Specialist - Skyloov Property Portal, Dubai (Remote)

04/2024 - 09/2025

- Developed and maintained large-scale Next.js and React websites, CRM systems, and customer portals for a Dubai-based multinational product team.
- Integrated property, CRM, and analytics REST APIs; managed complex state with Redux Toolkit and server data with React Query.
- Built an Angular-based blog management system and supported responsive, cross-browser user interfaces.
- Led technical and content SEO work, including performance optimization, responsive behavior, and improvements to website visibility.
- Debugged frontend issues and collaborated with cross-functional teams to deliver production-ready releases.

Front-End Developer (React / Angular) - MeetUs-VR, Cairo

02/2023 - 04/2024

- Created and maintained four responsive client-facing web applications using React.js, Next.js, and Angular.
- Translated design mockups and wireframes into reusable, production-ready UI components aligned with design specifications.
- Tested, debugged, and refined frontend behavior across browsers and screen sizes before delivery.

PROFESSIONAL EXPERIENCE - CONTINUED

Full-Stack Developer (React / Next.js) - Freelance, Cairo

01/2022 - Present (part-time / contract)

- Deliver full-stack web applications using React, Next.js, TypeScript, Node.js, reusable components, and server-side workflows.
- Integrate REST APIs, Prisma/MongoDB data flows, JWT/NextAuth authentication, and Redux/Context API state management for dynamic, secure applications.
- Perform functional checks, debugging, and cross-browser validation to support reliable releases.

SELECTED FULL-STACK AND AI PROJECTS

AI Job Application Automation Assistant - Full-Stack AI Project

- Integrated Python and LLM workflows into a React and Next.js application using RAG, LangChain, LangGraph, LLM APIs, embeddings, vector search, structured outputs, tool calling, and MCP.
- Designed agent workflows for job-description analysis, fit scoring, skill-gap identification, and tailored application preparation with human review.

Learning Management System - courses-platform-next.vercel.app

- Built a database-backed full-stack application using the Node.js runtime, Next.js 14, React, TypeScript, Prisma, MongoDB, Stripe, Mux, and Tailwind CSS.
- Implemented authenticated dashboards, course discovery, secure payments, progress tracking, database-backed workflows, and external-service integrations.

Boutiqaat E-commerce Platform - boutiqaat.com

- Contributed to production e-commerce and administration platforms using Next.js, React, TypeScript, Tailwind CSS, REST APIs, App Router, Server Components, and SSR/ISR.

Skyloov Property Portal - skyloov.com

- Built Next.js and React portal features with React Query, Redux Toolkit, Firebase, Segment, Google Maps, NextAuth, forms, and data visualization.

EDUCATION AND CERTIFICATIONS

Bachelor of Science in Computer Science - Minya University, College of Science

09/2019 - 06/2023 | GPA: 2.90 / 4.00 (B)

- ITI - Fundamentals of the MERN Stack
- Graduate Project - Web Fundamentals and Mathematica

LANGUAGES

Arabic: Native | English: Advanced