Moiz Nafey

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Full-Stack Engineer with 2 years of experience developing scalable systems for product-based companies, including a startup. Proficient in Node.js and React, with experience in AWS services.

SKILLS

Languages: JavaScript, Python, TypeScript

Frontend Frameworks & Libraries: Material UI, React.js, Redux, Redux Toolkit, RTK Query

Backend & Middleware Technologies: Django, Express.js, Fast API, Flask, Node.js

Cloud & DevOps: AWS, CI/CD, Digital Ocean, Docker, Git, Render

Databases: MongoDB, MySQL, Pincone DB, PostgreSQL, Supabase

AI: CrewAI, LLMs, Multiagent System, Retrieval-Augmented Generation (RAG)

WORK EXPERIENCE

The Leading Practice - AI-Powered Marketing Automation Platform • Sheridan, WY
07/2025 - Present

Software Engineer - (React, ShadCN, Tailwind, Node.js, Express.js, Python, Supabase, CrewAI, Pinecone) • Contractor

- Architected microservices-based multi-tenant SaaS platform with three-level RBAC authorization using Supabase Auth and row-level security.

- Built an AI-powered conversation hub with unified messaging across email, SMS, and live chat, implementing intelligent topic detection, automated categorization, and human-fallback logic for seamless omnichannel communication.

- Engineered Gmail AI automation with RAG-based memory system using Pinecone vector database and Gmail OAuth; implemented two-way email sync via Pub/Sub webhooks for real-time incoming messages, enabling contextual responses by retrieving and summarizing 90-day conversation history through intelligent chunking and embedding strategies.

- Leveraged Model Context Protocol (MCP) framework with CrewAI orchestration to enable AI agents with dynamic tool execution capabilities; self-hosted the DataForSEO MCP server and implemented meta-agent tool routing to intelligently select tools and assign specialized SEO agents for automated analytics report generation.

- Developed an AI-driven task automation system that converts conversations into actionable tasks with automated tagging for retrieval; implemented intelligent email routing logic to determine optimal response strategy (AI-generated, human escalation, or tool-based action) based on context analysis.

- Designed a two-way GoHighLevel CRM integration synchronizing contacts.

Relevic - Website Personalization SaaS Platform

Software Engineer - (React, Node, Express, MongoDB)

- Built drag-and-drop canvas (React Flow, React DnD) to create campaign pipelines.

- Developed RESTful APIs; Implemented JWT user authentication, OAUTH2, MongoDB Aggregation Framework, RTK Query and Redux Toolkit; built a cross-browser compatible and responsive UI using React and Material UI

- Implemented subscription billing with Stripe, supporting upgrades, downgrades, and flexible billing cycles.

- Used MongoDB with optimized schema design and indexing; utilized React Hooks on Front End.

- Built in-house analytics system for clients with goal tracking and scroll/click heatmaps for actionable user insights.

- Built CI/CD pipelines (GitHub Actions); practiced Agile/Scrum workflows.

- Collaborated with product managers to shape high-impact features and optimize user flows.

SimplifyVms - Talent Management & VMS Platform   **08/2023 - 06/2024**

Associate Software Engineer - (React, Django and Flask)

- Worked directly with Fortune 500 clients and engineering managers to ship features aligned with business timelines.
- Played a key role in redesigning and implementing core platform architecture for improved scalability.
- Led the successful onboarding of client (RXO) by independently architecting and implementing a complex real-time integration tailored to their requirements.
- Built a rules-based vendor onboarding engine with approval workflows and role-based access.
- Designed SAP integration with batch APIs for atomicity and rollbacks
- Engineered multi-threaded bulk upload system for Marriott, reducing processing time by 60%.
- Collaborated with clients and product teams to deliver features and ensure smooth deployments.
- Wrote unit and integration tests to maintain test coverage across services

EDUCATION

Bachelors in Computer Science

Lahore University of Management Sciences   08/2019 - 05/2023

Ordinary Levels and Advanced Levels

Lahore Grammar School (JT)   08/2014 - 05/2019