AASHIR AHMED SIDDIQUI

Full Stack Developer | MERN Stack | Gen AI Engineer

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PROFESSIONAL SUMMARY

Results-driven **Full Stack & Gen AI** Developer with hands-on experience building scalable, high-performance web applications, cloud-native infrastructure, and AI-powered multi-agent solutions using modern JavaScript technologies and Python. Strong expertise in **MERN** stack, REST/GraphQL APIs, microservices, container orchestration, and Generative AI frameworks including LangGraph, LangChain, HuggingFace, and Ollama. Currently working as a **MERN** Stack Developer at **Nestologies** since August 2025, contributing to production-level applications with a focus on clean architecture, performance optimization, DevOps automation, and advanced AI integration.

PROFESSIONAL EXPERIENCE

Nestologies | Aug, 2025-Present

Full Stack Developer

- Developed and maintained scalable MERN stack applications using React, Next.js, Node.js, Express.js, and MongoDB, delivering production-ready features with clean architecture.
- Designed and implemented secure, optimized REST and GraphQL APIs for frontend and third-party integrations.
- Configured Nginx as a reverse proxy, load balancer, and API Gateway for SSL termination and high-availability traffic management.
- Architected event-driven microservices using RabbitMQ and Apache Kafka for reliable inter-service messaging and asynchronous workload routing.
- Optimized database queries across PostgreSQL, MySQL, and MongoDB, leveraging Redis caching and BullMQ for background task management.
- Containerized applications with Docker and deployed multi-container workloads on Kubernetes (K8s) and AWS (EC2, S3, ECS/EKS).
- Implemented CI/CD pipelines and managed state workflows using Redux Toolkit and cloud-based BaaS (Firebase, Supabase, Appwrite).

GEN AI & AI ENGINEERING

AI-Powered Applications & Integrations

- Developed advanced multi-agent workflows, stateful conversational flows, and autonomous graph-based systems using LangGraph.
- Built end-to-end RAG (Retrieval-Augmented Generation) pipelines using LangChain and HuggingFace embeddings for intelligent document Q&A systems.
- Developed and deployed local LLM applications using Ollama, enabling privacy-first AI features without cloud dependency.
- Integrated HuggingFace Transformers for NLP tasks including text classification, summarization, and sentiment analysis.
- Built robust FastAPI backends with async endpoints, Pydantic data validation, and seamless AI model integration.

TECHNICAL SKILLS

Frontend • HTML5, CSS3, JavaScript (ES6+), TypeScript, React.js, Next.js, Redux Toolkit, Bootstrap, Tailwind CSS, Shadcn

Backend • Node.js, Express.js, Python, FastAPI, REST APIs, GraphQL

Gen AI • LangGraph, LangChain, HuggingFace Transformers, Ollama, Pydantic, RAG Pipelines, Prompt Engineering

Message Brokers • RabbitMQ, Apache Kafka

Cloud & DevOps • AWS (EC2, S3, ECS/EKS), Kubernetes (K8s), Docker, Nginx, Linux, Jenkins, CI/CD Workflows, Git, GitHub, GitLab, Shell Scripting

Databases • MongoDB, MySQL, PostgreSQL, ChromaDB, Pinecone, Qdrant

Caching & Queue • Redis, BullMQ

BaaS • Firebase, Supabase, Appwrite

Tools • Adobe Illustrator, Canva, Postman

EDUCATION

Board of Secondary Education Karachi
Matric | May-2024

Board of Intermediate Education Karachi
Intermediate | Jul-2026

SMIT – Saylani Mass IT Training
Web and Mobile App Development | Jun-2024 – Aug-2025

Virtual University of Pakistan
BS Computer Science | Present

LINKS

LinkedIn | www.linkedin.com/in/aashir-siddiqui-88a676394
Github | https://github.com/Aashir-Siddiqui
Portfolio | https://aashirsiddiqui.vercel.app