

SANWAR HUSSAIN

Full Stack AI Product Engineer

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PROFESSIONAL SUMMARY

Full Stack Developer with 6+ years of experience bridging the gap between robust web architecture and cutting-edge Generative AI. I specialize in building production-grade MERN applications and sophisticated AI agents using LangChain and LangGraph.

My focus is on moving beyond simple RAG pipelines to develop stateful, multi-agent systems that solve complex logic tasks. Expert in optimizing high-traffic React environments, architecting scalable Node.js microservices, and orchestrating autonomous AI workflows that drive real business value.

TECHNICAL SKILLS

Languages

JavaScript (ES6+) TypeScript Python (FastAPI, Flask)
HTML5 CSS3

Frontend

React.js Next.js Redux Tailwind CSS ShadCN UI React
Native

Backend

Node.js Express.js RESTful APIs Microservices
Socket.io

AI/ML

LangChain LangGraph OpenAI API Google Gemini
API Ollama Genkit OCR Integration

Database & Tools

MongoDB Git Docker Stripe API Shopify/Liquid

PROFESSIONAL EXPERIENCE

Full Stack & AI Consultant, *Independent / Freelancer*

08/2020 – Present

AI Engineering: Architected AI-driven solutions including an OCR-based medical analyzer using Gemini API and a RAG-based generative recipe engine.

Full Stack Delivery: Delivered end-to-end MERN applications for global startups, emphasizing scalability and clean architecture.

Infrastructure: Built and connected Python-based AI microservices using FastAPI for modular, high-performance system architecture.

FinTech: Implemented secure e-commerce platforms with multi-role authentication and Stripe payment integrations.

Performance: Optimized frontend Core Web Vitals using lazy loading and efficient state management.

MERN Stack Developer, *ShoreWise Consulting*

02/2023 – 06/2024

AI Development: Engineered an autonomous AI interview bot that reduced HR candidate screening time by 30%.

Performance: Built high-performance frontends using Next.js, achieving a 15% reduction in page load times.

Optimization: Refactored 1,000+ lines of legacy code, boosting overall system performance by 20%.

Quality & Leadership: Led technical peer reviews and authored 5+ SOPs, streamlining team onboarding and reducing production bugs by 5%.

<p>Founder & Lead Engineer, Dateme (Early-Stage Product) Built and launched a cross-platform dating application as a solo founder using React Native and Node.js. Owned the full product lifecycle: UI/UX design, backend matching logic, and real-time socket interactions.</p>	11/2022 – 02/2023
<p>Frontend Developer, MARMETO E-commerce Engineering: Developed storefronts for major brands (Borosil, mCaffeine), increasing user engagement by 15%. Performance: Optimized Shopify Liquid and JS architecture, resulting in a 20% decrease in load times. API Integration: Engineered custom Node.js middleware to bridge third-party APIs with retail storefronts.</p>	10/2021 – 11/2022
<p>Software Application Developer, Appradius Developed full-stack components using React and Next.js; architected REST APIs with Node.js and MongoDB.</p>	02/2021 – 04/2021
<p>Software Engineer (Frontend), Slurpalicious Engineered mobile features for food-tech applications using React Native and optimized algorithm-driven logic.</p>	07/2019 – 07/2020

EDUCATION

<p>Bachelor of Technology (B.Tech), Narula Institute Of Technology Graduated in Information Technology with 7.85 GPA</p>	2014 – 2018
<p>Senior Secondary (Computer Science), Kendriya Vidyalaya</p>	2012 – 2014

TECHNICAL PROJECTS

<p>Adshot AI, Typescript, Langgraph, Agentic workflows, Video Generation Building an app, that can generate a 10/30 second advertisement for businesses that can be used on social media, under 5 minutes. Uses agentic workflows can complex video generation pipelines. The first MVP is free and open for testing.</p>	01/2026
<p>Med Assist (AI/OCR), Next.js, FastAPI, MongoDB, Gemini API AI-powered medical strip analyzer that extracts drug information via OCR and maintains scan history. https://sanwarhussain.vercel.app/ </p>	
<p>TasteGPT (GenAI), Next.js, TypeScript, Genkit, Tailwind Intelligent kitchen assistant that generates creative recipes based on available ingredients. https://sanwarhussain.vercel.app/ </p>	