

Sanjay Aggi

Full Stack Engineer | AI Integrations | React | Node.js | MERN

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PROFESSIONAL SUMMARY

Full Stack Engineer with hands-on experience building scalable web applications and AI-powered platforms using React.js, Node.js, MongoDB, PostgreSQL, and Redis. Skilled in integrating AI/LLM APIs including OpenAI, Gemini, and HuggingFace into web applications, alongside secure REST APIs, authentication systems, reusable frontend architectures, and production-oriented backend services.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, SQL

Backend: Node.js, Express.js, REST APIs, JWT Authentication, OAuth 2.0

Databases: MongoDB (Mongoose), PostgreSQL, Prisma ORM

Frontend: React.js, Next.js, Redux Toolkit, Zustand, Tailwind CSS

Real-Time & Async: Redis, BullMQ, Socket.io

AI & Integrations: OpenAI API, Gemini API, HuggingFace API, Ollama, Stripe, Cloudinary

DevOps & Tools: Docker, GitHub Actions, Git, Postman, Vercel, Render

EXPERIENCE

Full Stack Engineer

ModelSuite.ai — Internship

Remote

Jun 2026 – Aug 2026

- Delivered production features and bug fixes across two AI platforms, FrameX and Talent Portal, working closely with the engineering team.
- Built the Image Studio and Video Studio generation interfaces on FrameX using React.js, Zustand, and Tailwind CSS, integrated with secure REST APIs on Node.js and Express.js.
- Worked on AI-driven modules including the multi-stage Prompt Engine and Persona Completion Scoring, alongside Persona, Pose, Outfit, and Asset Management with role-based permissions.
- Collaborated through Git, GitHub Pull Requests, Agile workflows, code reviews, and production deployments.

Independent Full-Stack Developer

Independent Development

Hyderabad, India

Aug 2022 – May 2026

- Designed and developed full-stack web applications using React.js, Next.js, Node.js, Express.js, MongoDB, PostgreSQL, and Redis.
- Built applications across AI recruitment, medical research, document intelligence, social-media automation, and e-commerce.
- Integrated OpenAI, Gemini, HuggingFace, and Ollama APIs to implement AI-powered application features and intelligent workflows.
- Developed secure authentication, REST APIs, database architectures, caching systems, payment integrations, and third-party API integrations.
- Managed development across frontend, backend, debugging, deployment, Git workflows, and application architecture.

PROJECTS

HireIQ — AI Hiring Intelligence | React.js, Node.js, Express, MongoDB, Gemini API

Live

- Built an end-to-end recruitment SaaS platform connecting job postings, resume screening, AI interviews, and hiring decisions into a unified pipeline.
- Engineered automated resume parsing with Cloudinary and pdf-parse, feeding extracted text into a Gemini-powered scoring engine.
- Designed a weighted match-score algorithm combining skill match, experience match, and AI-evaluated alignment.
- Developed AI screening workflows for generating resume-specific interview questions and evaluating candidate responses.

CuraLink — AI Medical Research Copilot | React.js, Node.js, MongoDB, HuggingFace, Ollama

Live

- Built an AI-powered medical research copilot aggregating scientific evidence from PubMed, OpenAlex, and ClinicalTrials.gov through a multi-source RAG architecture.
- Engineered a resilient multi-model inference pipeline using HuggingFace and Ollama with automatic fallback handling.
- Designed a semantic ranking engine evaluating publication relevance, recency, and source credibility before LLM context injection.
- Implemented citation-grounded prompting and disease synonym expansion to improve retrieval quality and reduce hallucinations.

DocAI — AI Document Intelligence <i>React.js, Node.js, AI APIs</i>	<i>Live</i>
• Built an AI-powered document intelligence application for processing documents and extracting structured information. • Designed a full-stack workflow connecting document processing with AI-powered analysis and generated insights. • Developed an interactive interface for document upload, processing, and results presentation.	
ShopAI — Scalable E-Commerce Platform <i>React.js, Node.js, MongoDB, Redis, Stripe</i>	<i>Live</i>
• Implemented dual-token JWT authentication with refresh token rotation and reuse detection. • Designed a Redis cache-aside strategy reducing API response time from 450ms to 150ms. • Integrated Stripe Payment Intents with secure webhook verification. • Built reusable frontend and backend components for scalable e-commerce functionality.	

EDUCATION

Aurora’s Technological & Research Institute (ATRI)	<i>Hyderabad, India</i>
<i>Bachelor of Technology — Computer Science Engineering</i>	<i>Jun 2018 – Aug 2022</i>

CERTIFICATIONS

Full-Stack MERN Development — NextWave		2024
CuraLink Hackathon v2.0 — Certificate of Distinction		2026

ADDITIONAL

Focus Areas: Full-Stack Development, AI/LLM Integrations, REST APIs, Authentication, AI-Powered Web Applications