

RAVI RAJ

Full Stack Developer (Backend + AI Engineering)

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PROFESSIONAL SUMMARY

Backend-focused **Full Stack Developer** specializing in **AI-driven SaaS** platforms, workflow automation, LLM-integrated systems, and scalable backend architecture. Strong expertise in Node.js, FastAPI, PostgreSQL, LangChain, MCP, and multi-model AI systems. Proven **end-to-end ownership of complex projects**.

CORE SKILLS

Backend: Node.js, Express.js, Python, FastAPI (Intermediate), PostgreSQL, SQL, MongoDB, REST APIs, Authentication, Microservices, API Design, Scalable Architecture, Distributed Systems, Asynchronous Architecture, Redis Caching, Webhooks, WebSockets

AI & Automation: LLMs (99+ models), LangChain, LangGraph, MCP (10+ modules), AI Agents (5+), RAG, Vector Stores, Workflow Automation

Frontend: Next.js, React.js, Redux Toolkit, Typescript, Material UI, Tailwind CSS, HTML, CSS

SaaS & Dev Tools: AWS, Stripe Billing & Subscriptions, RBAC, Git, CI/CD

EXPERIENCE

Zignuts Technolab | Full Stack Web Developer | Nov 2022 - Present

- Designed scalable backend systems for **5+ AI-powered SaaS platforms** with workflow automation and LLM integrations.
- Built **10+ MCP automation modules**, **20+ Trigger-Action pipelines**, and **3+ RAG-enabled SaaS systems** with LangChain vector search and **20+ RAG-enabled** model integrations.
- Engineered organisation-level **RBAC**, audit logs, admin dashboards, and super-admin ghost access.
- Designed **distributed backend systems** and production-grade API architectures for **large-scale workloads**.
- Integrated **Stripe** billing, coupon engine, licensing, subscription limits, and TOKEN credit system.
- Led the **AI-Based Hackathon 2024** team; built multi-modal generation systems (posts, images, videos, memes) and a real-time AI chat interface.

PeopleMatic Labs | Full Stack Developer Intern | Aug 2022 - Nov 2022

- Contributed to client-facing applications with modular backend engineering.
- Improved sprint planning, testing, and release quality.

PROJECTS

PromptsX | AI & Prompt Engineering SaaS Platform | Full Stack Developer

- Built an AI Workflow Engine with **(20+) Trigger-Action applications** support, **MCP (10+)** nodes, LLM nodes, **(20+) RAG-enabled vector-search and model nodes**, custom **AI Agents**, and scheduled tasks.
- Developed **multi-model AI chat system (99+ LLMs: text, image, video, audio, music)**.
- Implemented **Stripe** billing, TOKN system, plan limits, license management.
- Built organisation workspace with **RBAC**, audit logs, ghost mode.

AI-Based Hackathon 2024 | Team Lead | Full Stack Developer (Backend Heavy)

- Built pipeline for **multi-modal generation** (posts, images, videos, memes).
- Developed **agentic prompt-analysis system**.
- Custom web-search logic, Custom agent-workflow system.

Auto Booking Agent | SaaS Chatbot | Full Stack Developer (Backend Heavy)

- Built booking automation using **FastAPI, LangChain, LangGraph**.
- Implemented **chat-based booking orchestration**.

Learning-Hub | AI Video Learning Platform | Full Stack Developer (Backend Heavy)

- Engineered transcript generation, FAQs, tasks, and video rendering via Elai.io.
- Built vector search and multi-step reasoning agents.

EDUCATION

- B.Tech in Computer Science & Engineering | Parul University | 2019 - 2023 | CGPA: 7.8

CERTIFICATIONS

- BuildwithAI Hackathon 2024: Participant Certificate
- 100 Days of Python
- Full Stack Web Development Bootcamp

LANGUAGES

Hindi (Fluent), English (Fluent)