

MANAV JAIN

Senior Full Stack & Agentic AI Engineer

AI Systems • Workflow Automation • SaaS Architecture • Cloud Infrastructure

PROFESSIONAL SUMMARY

Full Stack Engineer specializing in Agentic AI, Workflow Automation, SaaS Development, and Cloud Infrastructure. Experienced in building scalable web applications, AI-powered platforms, intelligent automation systems, and cloud-native solutions that help businesses streamline operations, improve efficiency, and support long-term growth.

My expertise combines software engineering, artificial intelligence, automation, and modern infrastructure to deliver complete end-to-end solutions. From AI assistants, chatbots, and RAG systems to enterprise applications, SaaS products, workflow automation, and production-ready deployments, I focus on creating reliable, scalable, and business-oriented technology solutions.

Highlights :

- Building Agentic AI systems, AI chatbots, RAG applications, and intelligent automation workflows.
- Developing scalable SaaS products, enterprise platforms, CRM systems, and custom business applications.
- Designing secure APIs, backend architectures, databases, and cloud-native infrastructures.
- Implementing workflow automation using n8n, Make.com, Zapier, and AI orchestration systems.
- Managing deployments, Docker environments, CI/CD pipelines, and cloud infrastructure operations.

CORE EXPERTISE

Agentic AI & Intelligent Systems :

Designing and developing intelligent software powered by Large Language Models, autonomous agents, retrieval-based knowledge systems, and AI-driven automation. Focused on building practical AI solutions that improve productivity, automate operations, and support business growth.

SPECIALIZATIONS

- Agentic AI Systems — Designing autonomous AI agents capable of planning, reasoning, and executing complex business tasks.
- Multi-Agent Architecture — Building collaborative AI systems where multiple agents coordinate to solve workflows efficiently.
- Conversational AI — Developing human-like conversational experiences for customer support, internal operations, and business applications.
- AI Chatbot Development — Creating intelligent chatbots integrated with business data, APIs, and knowledge repositories.
- RAG Architecture — Building retrieval-powered systems that provide accurate responses using private business knowledge.
- OCR & Document Intelligence — Extracting, processing, and structuring information from documents, forms, PDFs, and images.
- NLP Applications — Implementing language understanding systems for classification, summarization, extraction, and content generation.
- Knowledge Retrieval Systems — Developing searchable knowledge bases powered by vector search and semantic retrieval.
- AI Workflow Orchestration — Connecting AI models, APIs, databases, and business tools into intelligent automated processes.
- Recommendation Engines — Delivering personalized suggestions using behavioral data and business logic.

- AI SaaS Development — Building production-ready AI products with scalable architecture and subscription-ready systems.

Full Stack Engineering

Building modern web applications with a strong focus on scalability, maintainability, security, and performance across frontend, backend, and database layers.

SPECIALIZATIONS

- SaaS Platforms — Developing scalable multi-tenant SaaS products designed for long-term business growth.
- Enterprise Applications — Building secure business applications that support complex operational workflows.
- CRM & ERP Systems — Creating centralized platforms for customer management, operations, and reporting.
- Dashboard Development — Designing data-driven dashboards with real-time insights and analytics.
- Marketplace Platforms — Building buyer-seller ecosystems with payments, transactions, and role-based management.
- Subscription Products — Implementing recurring billing systems, user plans, and membership-based services.
- API Architecture — Designing robust APIs that support integrations, scalability, and long-term maintainability.
- Authentication Systems — Implementing secure user access, permissions, and identity management workflows.
- Responsive Applications — Creating seamless experiences across desktop, tablet, and mobile devices.
- Database Design — Structuring efficient databases optimized for scalability, reliability, and performance.

WORKFLOW AUTOMATION & INTEGRATION

Helping businesses streamline operations through automation by connecting software, data sources, and communication platforms into efficient workflows.

SPECIALIZATIONS

- n8n Automation — Building advanced workflow automation using custom logic, integrations, and AI capabilities.
- Make.com Automation — Designing scalable business processes through visual workflow orchestration.
- Zapier Automation — Connecting SaaS platforms to automate repetitive operational tasks.
- Process Automation — Eliminating manual work through intelligent workflow design and execution.
- API Integrations — Connecting business systems using REST APIs, webhooks, and authentication protocols.
- CRM Automation — Automating lead capture, nurturing, routing, and customer lifecycle management.
- Lead Management Systems — Creating automated pipelines for lead qualification, assignment, and follow-up.
- Internal Operations Automation — Streamlining business operations through automated task coordination.
- AI Workflow Automation — Combining AI decision-making with automation for intelligent business processes.
- Data Synchronization — Maintaining consistent information across multiple business platforms automatically.

CLOUD INFRASTRUCTURE & DEVOPS

Deploying, managing, and optimizing cloud-native applications using modern infrastructure, automation, and operational best practices.

SPECIALIZATIONS

- AWS Infrastructure — Deploying scalable cloud environments optimized for reliability and performance.
- Docker Containers — Packaging applications into portable and consistent deployment environments.
- CI/CD Pipelines — Automating testing, deployment, and release workflows for faster delivery cycles.
- GitHub Actions — Building automated development and deployment pipelines directly within repositories.
- Linux Server Management — Configuring and maintaining production-grade Linux environments.
- Nginx Configuration — Optimizing web traffic management, reverse proxies, and server performance.
- Infrastructure Deployment — Managing end-to-end deployment processes across cloud environments.
- Application Monitoring — Tracking system health, performance metrics, and operational stability.
- Performance Optimization — Improving application speed, scalability, and resource utilization.
- Cloud Security Practices — Implementing secure deployment strategies and infrastructure protection measures.

TECHNICAL STACK

Frontend Technologies :

React.js, Next.js, Vue.js, Tailwind CSS, Vite, Framer Motion and modern frontend tooling for creating responsive, accessible, and performance-oriented user experiences.

BACKEND TECHNOLOGIES

Node.js, Express.js, FastAPI, Django and API-driven architectures for scalable business applications and enterprise-grade backend systems.

AI & Automation Technologies

OpenAI, LangChain, LangGraph, CrewAI, AutoGen, RAG Pipelines, Vector Databases, Conversational AI, OCR Systems, AI Agents, Workflow Automation, Prompt Engineering and Knowledge Retrieval Architectures.

DATABASES & STORAGE

PostgreSQL, MySQL, MongoDB, Supabase, pgvector and modern database solutions for transactional systems, analytics, and AI-powered retrieval workflows.

AUTOMATION PLATFORMS

n8n, Make.com and Zapier for workflow automation, SaaS integrations, business process automation, and intelligent operational systems.

CLOUD & DEVOPS

AWS, Docker, GitHub Actions, Vercel, Railway, Render, Linux, Nginx, Coolify and modern deployment workflows for scalable cloud-native applications.

THIRD PARTY INTEGRATIONS

Stripe, Razorpay, Firebase, Twilio, Calendly, SendGrid, HubSpot, Slack, Intercom, Zendesk and REST-based API ecosystems.

SELECTED PROJECT EXPERIENCE

AI Knowledge Assistant Platform

Built intelligent conversational systems leveraging RAG architecture, vector search, document ingestion, and contextual AI responses for knowledge-driven interactions.

Agentic AI Automation System

Developed AI-powered workflow automation solutions capable of task orchestration, business process automation, and intelligent decision execution.

OCR & Document Intelligence Platform

Implemented automated document processing pipelines for data extraction, classification, validation, and structured information retrieval.

Enterprise CRM & Operations Platform

Designed scalable CRM and business management systems featuring role-based access, reporting dashboards, workflow management, and API integrations.

SaaS Product Development

Engineered modern SaaS applications with scalable architecture, secure authentication, subscription workflows, and cloud-ready deployment strategies.

Cloud Infrastructure & DevOps

Managed application deployments, CI/CD pipelines, Docker environments, server optimization, and production infrastructure across modern cloud platforms.

EDUCATION

Bachelor of Technology (Computer Science)

Rajasthan Technical University

2020 – 2024