

DIGAMBER JHA

Full Stack Developer & AI Engineer | Python · Django · React · LLM · RAG · Agentic Systems

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PROFILE

Full Stack Developer and AI Engineer with 4+ years of experience building production web applications and autonomous AI systems. Specialized in Python, Django, FastAPI, React, and modern LLM stacks (LangGraph, CrewAI, RAG, LangChain). Proven track record: shipped enterprise CRM/ERP platforms handling 10,000+ records, deployed AI agent systems reducing manual processing time by 60%, optimized LLM inference costs by 35%, and maintained 99.5%+ production uptime. Comfortable owning features end-to-end — from database to UI to cloud deployment.

EXPERIENCE

Full Stack Developer — AI / NLP Systems

Apr 2025 – Apr 2026

Aviox Technologies Pvt. Ltd.

- Integrated semi-autonomous AI agents into live enterprise systems and third-party APIs, reducing manual processing time by 60% across 5+ business workflows.
- Optimized LLM token usage and API latency through prompt batching and caching strategies, cutting inference costs by ~35% in production.
- Designed and shipped a full-stack data-to-asset generation pipeline (Django backend + React frontend) converting structured data into rich content at scale.
- Built an NLP-powered voice assistant for senior citizens (Whisper + spaCy) with accessibility-focused audio interactions and natural-language understanding.
- Engineered logging and tracing frameworks across 10+ agent pipelines, enabling data-driven behavior improvement via feedback loops.
- Deployed scalable Python FastAPI microservices on Docker and AWS, maintaining 99.5%+ uptime in production.

Full Stack Developer — Enterprise Platforms

Jan 2024 – Mar 2025

Docladder Digital

- Built a custom Enterprise CRM/ERP platform in Django + React + PostgreSQL managing 10,000+ client records with role-based access, audit logging, and microservices architecture.
- Designed and shipped core modules — placement tracking, revenue analytics per recruiter, live leaderboards, marketing leads, candidate records, and SOP management — replacing manual workflows for 20+ team members.
- Engineered high-performance REST APIs achieving 50% reduction in response time through query optimization and Redis caching.
- Integrated NLP-based content classification and intelligent tagging into internal tools, improving content discoverability and pipeline efficiency.
- Designed vector data sources and secure API gateways as the AI-ready data foundation for downstream agent integration.

- Managed AWS deployments and continuous delivery, ensuring high availability for production systems.

Web Developer — Full Stack

Jul 2022 – Dec 2023

Om Enterprises Group

- Built and maintained Om Enterprises' internal ERP system — ongoing feature development, bug fixes, and improvements supporting daily business operations across multiple departments.
- Developed backend systems and REST APIs for client websites across multiple industries — database design, business logic, and integration with React/JavaScript frontends.
- Shipped 10+ production deployments in a fast-moving client-driven environment; owned features end-to-end from schema to deployment.
- Tech: Python, Django, JavaScript, AJAX, HTML, CSS, MySQL, PostgreSQL, Git.

KEY PROJECTS

Social Content Planner

CrewAI · LangGraph · Next.js · Python · FastAPI · Vector DB

Multi-agent system automating content generation, scheduling, and analytics across LinkedIn, X, Instagram, and YouTube. Specialized agents handle platform-specific formatting and posting, with a Next.js dashboard for human-in-the-loop approval and performance tracking.

Enterprise RAG Assistant

LangChain · Chroma · OpenAI API · FastAPI

Private knowledge base agent enabling internal teams to query proprietary documentation with grounded, cited answers. Achieves 90%+ answer accuracy on domain-specific queries.

Sanjaya Auditor

Ollama · React · Local LLM · Validation Frameworks

Offline enterprise audit agent analyzing text and video inputs using locally-hosted LLMs with strict output validation. Zero data leaves the client environment — built for data-sensitive industries.

CV Builder — Production SaaS

Django · React · Stripe · PostgreSQL · REST APIs

Production web application allowing users to create, customize, and download professional CVs across multiple templates. Integrated Stripe for tiered subscription plans (Free / Pro / Premium) with full payment workflows, user accounts, and on-demand document generation.

Visual Encyclopedia

Flask · JavaScript · AJAX · Stripe · HTML/CSS

Interactive web-based encyclopedia with rich visual content and AJAX-powered dynamic loading. Integrated Stripe-based premium content access; built end-to-end as a full-stack Flask application.

AI Resume Architect

Prompt Engineering · Python · LLM · ATS Optimization

Intelligent document generator that dynamically tailors CV narratives to job descriptions and ATS constraints using multi-step LLM chaining.

CORE SKILLS

AI / LLM: LangGraph, CrewAI, LangChain, RAG, Prompt Engineering, Ollama, OpenAI API, Generative AI, AI Agents, Vector Search, LLM Guardrails

Python & Backend: Python, FastAPI, Django, Flask, REST APIs, Celery, SQLAlchemy, Redis, Microservices

Frontend: React, TypeScript, Next.js, JavaScript, HTML, CSS, AJAX, Tailwind CSS

Databases & Vector: PostgreSQL, MySQL, Redis, pgvector, Chroma DB, Supabase, Firebase

DevOps & Cloud: Docker, AWS (EC2, RDS, S3), Vercel, Hostinger VPS, Cloudflare, Git, Linux, CI/CD

Automation & Integrations: n8n, Zapier, Stripe, REST APIs, Third-party API Integration

EDUCATION

Master of Computer Applications (MCA)

2021 – 2023

Apeejay Institute of Management and Engineering Technical Campus

Bachelor of Computer Applications (BCA)

2018 – 2021

DAV College, Jalandhar