Nagi Reddy B V

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Software Developer with 1.6+ years of experience in designing and delivering scalable backend systems and AI-powered applications. Proficient in Python, Java, and Node.js, with expertise in REST APIs, microservices, and containerized deployments (Docker, Linux). Strong background in databases (PostgreSQL, MongoDB, vector DBs) and concurrent programming. Hands-on experience building intelligent systems for semantic search, product recommendation, vector embeddings, FAISS, and Ollama. Skilled in AI/ML frameworks (PyTorch, TensorFlow) and transformer-based models, with practical exposure to Generative AI, LangChain, and LangGraph. Known for strong problem-solving abilities, proactive ownership, and a collaborative mindset.

Career goal: To leverage backend and AI/ML expertise in building intelligent, scalable systems that drive real-world business impact.

WORK EXPERIENCE

Software Developer   May 2025 - Present
Buildnetic   India

- Developed and deployed 5+ scalable backend systems using FastAPI, REST APIs, and containerized services (Docker) in Linux-based environments.

- Engineered 10+ robust web scraping pipelines with Selenium, Playwright, and anti-bot strategies, extracting structured data from 100K+ records across eCommerce and travel platforms.

- Designed and implemented 3+ ML-driven systems for product recommendation, semantic search, similarity matching, and price comparison using vector embeddings (CLIP, BGE, Sentence Transformers) with FAISS.

- Built and integrated 2 production-ready chatbots using LangChain and LangGraph, with advanced memory features for contextual conversations, enabling intelligent product search and recommendation and increasing customer engagement by 25%.Optimized ML pipelines with GPU acceleration and concurrent processing, reducing inference latency by 60%.

- Applied regex- and AI-based methods to normalize 50K+ unstructured product records, ensuring high-quality datasets for downstream ML tasks.

- Improved product matching accuracy by 30% through algorithm optimization and multivendor price comparison logic.

- Developed a prototype AI system for automated SDLC workflows using React.js, TypeScript, FastAPI, and OpenAI, reducing manual effort by 40%.

- Played a key role in 3 critical products (PriceEdge, AI Chatbots, Prism), owning 100% of development across frontend, backend, deployment (Docker), and cloud platforms (AWS, GCP).

Software Engineer - 1   Mar 2024 - May 2025
Nellsys Technologies PVT LTD   Hyderabad

- Designed and implemented 40+ REST APIs with optimized configurations and the MVC pattern, improving system maintainability, scalability, and performance by 25% while solving single-thread bottlenecks.

- Developed 20+ reusable backend modules in Python, Java, and PHP, aligned with evolving business and customer requirements.

- Collaborated with cross-functional teams to manage 12+ deployments using Git, GitHub, and CI/CD pipelines, ensuring faster and error-free releases.

- Troubleshot and resolved 10+ complex issues during configuration, deployment, and release cycles, improving delivery efficiency by 20%.

- Actively contributed in 8+ Agile sprints, driving design reviews, configuration discussions, and technical problem-solving sessions.

- Gained hands-on experience with cloud infrastructure (Docker, Linux) to support scalable deployments.

- Integrated Twilio WhatsApp messaging for marketing automation, increasing campaign reach by 35%.

- Integrated Razorpay payment gateway for seamless transactions, enabling smooth installment creation and real-time payment tracking for the sales team.

- Built a robust backend system for sales operations, handling 1K+ installment plans and client payments monthly.

- Developed a real-time communication module with comment and live translation features, enabling instant collaboration between clients and sales teams.

EDUCATION

Bachelor of Engineering (B.E) in Computer Science & Engineering   Aug 2019 - Jun 2023
Saveetha School of Engineering, Chennai, Tamil Nadu   **GPA:** 8.4

- Strong skills in backend debugging, data structures, and software lifecycle.

- Awarded for top project in NLP-based sentiment analysis.

CERTIFICATIONS

AZ - 305 Azure Solution Architect Expert (Credential ID: 3BC2CU-B5EC3A) ☐ by **Microsoft**   Sep 2025
AZ-104 Azure Administrator Associate (Credential ID: 01E9AF-4CC0B0) ☐ by **Microsoft**   Sep 2025

SKILLS

Programming Languages: Python, Java, Go, JavaScript, PHP

Backend & Frameworks: FastAPI, Node.js, Laravel, Spring Boot

Databases: MySQL, PostgreSQL, MongoDB, Vector Databases (FAISS)

Cloud & Tools: Docker, Git, GitHub, CI/CD, Version Control, Linux

AI/ML: Regression, Classification, Neural Networks, Transformer Models, Embeddings

Web & Automation: REST APIs, WebSockets, Microservices, Selenium, Playwright

Software Engineering: SDLC, Software Configuration Management, Object-Oriented Programming (OOP)

AWARDS

Academic Excellence Award by **Saveetha School of Engineering**   **Jun 2022**

- Top 200 Students, 2022
- Best Project Award for NLP-based Sentiment Analysis