Kumar Sanu

Sr. Software Engineer
Delhi, India

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GitHub · Portfolio

SUMMARY

Backend Developer with expertise in Java/Spring Boot, Python/FastAPI microservices, and AI/LLM integration. Skilled in scalable system design, secure transactions, and AI pipelines for enterprise applications.

SKILLS

- **Languages**: Java 8+, Multithreading, Python

- **Frameworks**: Spring Boot, MVC, Security, JPA, FastAPI

- **Databases**: PostgreSQL, MySQL, MongoDB, Redis, Vector DBs

- **AI/ML**: OpenAI APIs, RAG, LangChain, LangGraph, Finetuning (PEFT, QLoRA), HuggingFace, Ollama, Multi-Agent Systems

- **Cloud/DevOps**: Docker, Kubernetes, CI/CD, REST APIs

- **Tools**: Maven, Gradle, IntelliJ, Postman, Cursor, Replit

- **Architecture**: Microservices, Event-Driven, Agentic AI

EXPERIENCE

- **Software Engineer** — Mar 2023 – Jun 2025
  Quicktouch Technologies Ltd. — *New Delhi, India*
  - Built and scaled ERP for 3,500+ schools (100K+ users).
  - Revamped fee module, integrated secure payment gateways.
  - Boosted response time with Redis caching and DB load reduction.

PROJECTS

- **Jumppapp – AI Hinglish Learning Assistant**

  - Converts Hinglish queries into lessons with scripts, voice-overs, quizzes, and interactive HTML/JS playground.
  - Integrated Gemini Live Kit for conversational voice-first learning and YouTube-based topic exploration.

ADVANCED AI TRAINING

- **Intensive AI Development Program** — 2024
  Bengaluru HQ
  - 14-week program on AI-first apps: OpenAI APIs, RAG, prompt engineering.
  - Built multi-agent workflows (LangChain, LangGraph) and fine-tuned LLMs (PEFT, QLoRA).
  - Delivered a full-stack AI capstone project.

CERTIFICATIONS & EDUCATION

- **Masai School** — Apr 2022 – Apr 2023
  Full Stack Web Development — *Bengaluru, India*

- **Crio Certified** – Distributed Cloud Components