

Joel Jaison

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PROFESSIONAL SUMMARY

Generative AI Developer who builds human-centered applications with LLMs and multi-agent orchestration. Focused on delivering scalable, production GenAI products that automate complex workflows and create measurable user value.

EDUCATION

Sahrdaya College of Engineering & Technology Kerala, India
B.Tech, Computer Science Engineering; CGPA: 7.6/10 2021 – 2025

Don Bosco HSS Irinjalakuda, India
Higher Secondary (Computer Science); 97.5% 2019 – 2021

PROFESSIONAL EXPERIENCE

Software Developer Jul 2025 – Present
IBM Kochi, India

- Led backend engineering for **Watsonx Orchestrate**, enabling multi-agent LLM workflows and boosting automation efficiency by **35%**.
- Implemented orchestration with **LangChain**, **LangGraph**, and **LangSmith**, reducing agent failures by **25%**.
- Built LLM monitoring and guardrail pipelines to ensure **100%** AI governance compliance.
- Benchmarked Granite, Mistral and GPT models, reducing inference cost by **22%**.

Software Developer Intern Jan 2025 – Jul 2025
IBM Kochi, India

- Improved IBM Knowledge Catalog UI (React + TypeScript + Carbon), increasing Lighthouse score by **15%**.
- Refactored REST APIs to improve modularity and reduced latency by **28%**.
- Integrated AI-assisted metadata discovery across Watsonx microservices.

Alexa Skill Developer (Intern) May 2023 – Jun 2023
Inclusys Org Foundation Remote

- Built Alexa Skills for elderly memory exercises and conversational prompts, raising engagement by **30%**.
- Deployed voice services on **AWS Lambda**, maintaining **99%** uptime.

KEY PROJECTS

LawLens AI — Compliance Assistant | *RAG, Mistral-7B, ChromaDB, LangChain* GitHub

- AI-powered compliance assistant using RAG + Mistral-7B; retrieval via ChromaDB; **96%** rule-match accuracy; **1st Prize at BeachHack**.

KeyPilot — Semantic API Gateway | *Node.js, Redis VL, Redis Streams* GitHub

- GenAI API gateway for semantic routing, caching and vector retrieval; event-driven architecture with Redis Streams.

Livie — AI Storytelling Assistant | *Watsonx, Mistral-7B, Spring Boot, AWS* GitHub

- Elderly wellness companion using fine-tuned Mistral-7B; deployed microservices on AWS; **1st Runner-Up at IBM GenAI Conclave 2024**.

TECHNICAL SKILLS

Languages: Python, Java, TypeScript, Rust, SQL
AI / ML Tools: LangChain, LangGraph, Hugging Face, MLflow, Ollama, TensorFlow, PyTorch, Watsonx.ai, Watsonx Orchestrate
Frameworks / DBs: React, Next.js, Node.js, FastAPI, Spring Boot, PostgreSQL, MongoDB, Redis, Db2
Cloud / DevOps: AWS (Lambda, S3), Azure, Docker, Kubernetes, GitHub Actions, OnePipeline