

CHITRANG KUMAR JAIN

Backend & Platform Engineer | Applied AI Systems

| 8502971679 | ichitrangjain@gmail.com | <https://www.linkedin.com/in/chitrang-jain/> | <https://github.com/ichitrang> |

PROFESSIONAL SUMMARY

Highly skilled Backend and Platform Engineer with ~2 years of experience specializing in building production-grade distributed systems, microservices, and internal platform services. Expertise in Java Spring Boot, PostgreSQL, and scalable backend architecture, with a proven focus on system reliability, observability, and production debugging. Recently focused on Applied AI Engineering, integrating LLM APIs, RAG pipelines, and vector search concepts to build intelligent analytics and automation platforms. Seeking a challenging role in Backend Engineering, AI-Integrated Systems, or Platform Engineering.

PROFESSIONAL EXPERIENCE

Software Developer — Platform & Backend Engineering (Full Stack)

Cronberry Technologies | Jul 2025 – Present

- Designed and developed centralized backend platform services, including a high-volume AWS SES email delivery system handling thousands of transactional emails per day, improving reliability and structured error tracking.
- Contributed to backend system design involving microservice communication, scheduling architecture, and observability pipelines across multiple production services. Supported **multiple production microservices**
- Developed a real-time uptime monitoring service (60-second health checks) and a centralized scheduling system, significantly increasing execution efficiency and reducing operational overhead. Reduced **incident resolution time by ~25–30%**
- Improved system observability through structured logging, debugging pipelines, and production incident tracking, reducing issue resolution time. Improved **system efficiency by ~30–40%**
- Optimized SQL queries, managed production-level database schema changes, and improved API performance across CRM and IVR automation platforms.
- Overall contributed to improving system reliability, reducing operational overhead, and enabling scalable backend infrastructure across multiple production services.
- Contributed to AI-integrated full-stack applications using Python/React, integrating OpenAI APIs for chatbots and automation tools.

Software Developer

DeepOrion Technologies | Oct 2024 – Jul 2025

- Developed backend modules and scalable RESTful APIs using Java/Spring Boot and Ruby on Rails for full-stack web applications.
- Implemented robust authentication systems (JWT) and ensured database consistency and optimization of SQL queries for production workloads.
- Integrated third-party APIs and payment systems, contributing to bug fixing and feature enhancements across the software development lifecycle.

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript, SQL
- **Backend & Frameworks:** Spring Boot, REST APIs, Microservices, System Design, Hibernate/JPA, Ruby on Rails, MVC Architecture, Event-driven architecture
- **AI Integration:** LLM APIs, Prompt Engineering, RAG concepts, Vector Search (FAISS/Chroma), LangChain (basic), OpenAI API integration
- **Databases:** PostgreSQL, MySQL, MongoDB, Query Optimization, Schema Design
- **Cloud & DevOps:** Docker, AWS (SES, SQS, IAM basics), Nginx, Git, CI/CD basics, Linux, Postman

SELECTED PROJECTS

Nexora BI — Business Intelligence & Analytics Platform

- Built backend services supporting data ingestion, transformation, and structured analytics workflows for a centralized BI platform.
- Implemented backend APIs supporting natural-language query processing over structured business data using LLM integrations, enabling automated report generation and analytics workflows within the platform.

Finance Aggregator Platform (Spring Boot, PostgreSQL, React, AWS)

- Built a secure backend system for financial data aggregation and analytics.
- Implemented JWT authentication with AES-GCM encryption and integrated Plaid API for secure bank linking.
- Designed ACID-compliant relational data models and developed an analytics engine for spending insights and cash-flow tracking.

LLM Document Assistant (Python, LangChain, FAISS, FastAPI)

- Built an AI assistant that answers questions from custom documents using a Retrieval Augmented Generation (RAG) pipeline.
- Implemented document ingestion, vector search, and LLM response flow, exposed via REST APIs.

EDUCATION

Master of Computer Applications (MCA)

Vellore Institute of Technology | 2023 – 2025

Bachelor of Computer Applications (BCA)

Subodh PG Autonomous College | 2020 - 2023