

Chandra Prakash Yadav

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SUMMARY

Java Backend Engineer with 3 years of experience building production systems for a large banking client and high-volume enterprise data. Strong in Java, Spring Boot, Kafka, RabbitMQ, Redis and CI/CD, with ownership of APIs serving 500K+ records and an LLM-powered assistant in production.

EDUCATION

Ramrao Adik Institute of Technology (RAIT)

Bachelor of Engineering in Electronics Engineering – CGPA: 9.04

Aug. 2019 – May 2023

Nerul, Navi Mumbai

EXPERIENCE

Density Pharmachem Pvt. Ltd.

Software Development Engineer - IT

May 2025 – Present

Mumbai

- Built the **product-data sync API** that lets our China partner team push **500K+ chemical product records** into the SQL Server ERP database, powering automated **SAP stock reconciliation** reports
- Moved bulk imports to **async RabbitMQ processing** in transactional 1K-record chunks, with JWT + Bucket4j rate limiting, Redis caching and **health-checked Blue-Green deploys** via GitHub Actions
- Architected and deployed internal and customer-facing **Sales Dashboards** using Spring Boot, React.js, and JWT authentication with role-based access (Admin, Salesperson, Customer) serving **200+ users**
- Engineered an **SAP Data Sync API** running every 10 minutes to synchronize 200,000+ products from SAP to the website database using SAP triggers on a custom Product Master table to auto-populate on any insert or update

Tata Consultancy Services (TCS)

System Engineer

Oct 2023 – May 2025

Mumbai

- Developed a **Sweep Functionality Module** for a **large banking client** (Spring Boot + React.js) enabling automated inter-account fund transfers, reducing manual intervention and supporting **high-volume daily transactions**
- Implemented **T and T+1 Day Transfer Scheduling** via EOD batch jobs with multi-level validations (same customer/branch, active account, non-negative balance), ensuring **zero incorrect transfers**, backed by **audit-grade history tables** with soft delete for full traceability and compliance
- Resolved **15+ critical production issues** in a live banking environment, maintaining **system SLA** and minimizing downtime across high-availability services

PROJECTS

Kaaris Labs – E-Commerce with AI Assistant | *Spring Boot, Spring AI, Kafka, RabbitMQ* Jan 2025 – Present

- Built and deployed a **full-stack chemicals e-commerce platform** (Next.js, MySQL) with JWT auth, search across Cat No / CAS No / name and PDF order emails, on Linux with **Docker + Nginx**
- Added an **LLM-powered product & COA assistant** as an isolated **Spring Boot microservice**, using **Spring AI tool calling** over read-only JPA services instead of text-to-SQL, with JWT ownership checks so customers only see their own orders
- Designed **hybrid retrieval** (exact CAS/Cat No match + Redis vector search) and **RAG over COA PDFs** with batch-level filtering; tracked answer accuracy and hallucination rate with a **100-question evaluation suite run in CI**
- Used **RabbitMQ** for re-indexing tasks from the SAP sync (retries, DLQ) and **Kafka** to stream chat events for analytics and replay testing; reduced latency and LLM cost with Redis caching, SSE streaming and **Resilience4j** fallbacks

TECHNICAL SKILLS

Languages & Frameworks: Java, SQL, JavaScript, Spring Boot, Spring AI, Spring Data JPA, Hibernate

AI / LLM: Tool Calling, RAG, Embeddings, Vector Search, LLM Evaluation

Backend & Messaging: REST APIs, Microservices, Spring Security, JWT, Kafka, RabbitMQ, Redis, Resilience4j

Databases & Testing: MySQL, SQL Server, JUnit 5, Mockito, MockMvc, Testcontainers

DevOps & Cloud: Docker, GitHub Actions (CI/CD), Nginx, Linux, Blue-Green Deployment, AWS (EC2, S3, IAM)

Core Concepts: System Design, Multithreading, Design Patterns, Data Structures & Algorithms