

PRAKRTI SAHA

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Experience

Tata Business Hub Limited

Software Developer

Jun 2024 – Present

- Migrated monolith to **Spring Boot Microservices**, improving availability to **99.9%** and enabling independent deployments.
- Optimized backend with **Hibernate caching** and **query tuning**, reducing latency by **30%** and improving response times.
- Implemented **Resilience4j Circuit Breakers** to maintain stability during outages, minimizing downtime and error propagation.
- Designed **Kafka pipelines** for decoupled lead enrichment, ensuring **99.9% data consistency** and efficient async processing.
- Improved system observability by integrating Prometheus metrics and dashboards, reducing issue detection time.

Tata Business Hub Limited

Junior Java Developer

Oct 2022 – May 2024

- Developed REST/SOAP APIs for vendor onboarding, ensuring **98% on-time delivery** over **18 Agile sprints**.
- Built **event-driven integration** between Lead Management System and third-party CRM using **Kafka** and **REST APIs**, supporting reliable sync.
- Refactored **MySQL** schemas and indexing to boost query efficiency by **20%**, enhancing system responsiveness.
- Collaborated with cross-functional **Agile** teams, coordinating backend, frontend, and QA to ensure seamless feature delivery.

Projects

AI-Powered Price Discovery Engine

Apr 2025

- Built an **AI-driven pricing service** using **Spring AI** and WhatsApp, improving lead conversion by **20%** with a persistent State Machine for **context Management**.
- Integrated **LLM** function calling to trigger Vendor APIs for real-time pricing, reducing LLM API costs by **15%** through **token optimization**.
- Added dynamic sourcing and location-based pricing to improve efficiency and cost savings.

Tech Stack: Spring AI, Open AI, Spring Boot, Kafka, Redis

High-Scale Lead Management System

Feb 2024

- Architected a **high-scale lead management system** with optimized **multithreading** for **10,000+** concurrent uploads, ensuring reliability with **Kafka** for asynchronous enrichment.
- Implemented idempotent consumer logic and configured **Prometheus/Grafana** alerts for monitoring **service health**.
- Developed advanced features to handle peak ingestion loads and prevent data loss using **Kafka** for asynchronous processing.

Tech Stack: Spring Boot, Kafka, MySQL, Solr, Docker, Prometheus

Certificate

- Full Stack Java Developer - Java + JSP + Restful WS + Spring [View](#)
- Complete JSON AJAX API Course Beginner to Professional [View](#)

Skills

- Languages:** Java, SQL, JavaScript, TypeScript
- Frameworks:** Spring Boot, Hibernate, Angular, Spring AI, Spring Security, Spring MVC, Spring Data JPA
- Tools:** Docker, Grafana, Jenkins, MySQL, Git, Maven, Apache Kafka, SonarQube, Redis
- Platforms:** AWS, Kubernetes

Education

B. P. Poddar Institute of Management and Technology

Jun 2018 – Jul 2022

B.Tech in Electronics and Communication Engineering; CGPA: 8.61

Kolkata

Achievements

- 500+ Problems Solved: Active problem solver on LeetCode and GeeksforGeeks