

HARSH KOTHARI

Result driven software engineer with expertise in building scalable, distributed systems using Kafka, Pulsar, and Elastic search. Proficient in LLD, HLD, and backend development with Java, Python, and Spring Framework. Skilled in designing asynchronous systems, optimising database performance, and deploying cloud-native solutions with Kubernetes and Docker. Passionate about delivering high-performance, reliable software solutions.

Contact Information

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Education

Birla Institute Of
Technology, Mesra (Ranchi)
Bachelor Of Engineering
Information Technology
8.5 C.G.P.A

SKILLS

- Software Design: Low-Level Design (LLD), High-Level Design (HLD)
- Distributed Systems and Real-Time Processing
 - Distributed Messaging: Proficient in Apache Kafka and Pulsar for building robust and scalable streaming pipelines.
 - Asynchronous Systems: Relayer using Apache Pulsar, blocking queues, and SQL databases for efficient data processing and reliable message delivery.
 - Search and analytics : Experienced in Elasticsearch for indexing, querying, and real-time analytics on large datasets.
- Programming and Frameworks : Proficient in Java, C++, Python, and Data Structures & Algorithms. Hands-on experience with Spring Framework (Spring Boot, Security), JPA, and Hibernate.
- Others :
 - Databases and Storage : SQL/NoSQL Databases with advanced concepts like sharding, partitioning, and indexing. Redis for caching and in-memory data storage. ORM & ODM.
 - Cloud and Containerisation : Kubernetes, Docker, PCF
 - Testing and Monitoring : Performance and Integration Testing using Blazemeter/JMeter. Monitoring with Grafana, Elastic APM. and Splunk

EXPERIENCE

FLIPKART

Software Engineer 2

— May, 2024 - Present

- Enhanced inventory placement engine by adding, optimising, and updating rules to ensure proper inventory hygiene in warehouses. Streamlined processes to allocate items to the correct bins, prevent inventory loss and reduce operational effort for ground teams.
- Designed and implemented an expiry management module to optimise inventory clearance, streamline expired stock handling, and improve customer experience. Earned the **Instant Karma Award 2024** for delivering this impactful solution within three months of joining.
- Improved system efficiency and response times by integrating relayers for asynchronous service calls. Delivered innovative features for core services, including fraud mitigation by putting area-to-area restrictions, ensuring better inventory handling and movement prioritisation.
- Contributed to transfer service design and implementation which is responsible to track all warehouse movements, ensuring proper inventory visibility & handling, and improved operational oversight.

WELLS FARGO

Software Engineer

— July, 2021 - May, 2024

- Received **Manager Spotlight Award 2023** for designing and implementing a service from scratch dealing with fast consuming and processing of Kafka messages, storing them and then exposing them through a low latency API. Also supported the team with requirements gathering, cloud deployment strategy and performance testing
- Modernised legacy applications, independently migrating four systems to cloud infrastructure while improving code quality, security, and coverage. Enhanced application security by implementing OAuth 2 with channel security pings, resulting in significant cost savings of approximately \$10,000 per month. Received **Manager Spotlight Award 2022** for anchoring and explaining in detail the end to end corporate payment flow domain on a technology stall.