

GAURAV KAMBOJ

SOFTWARE DEVELOPMENT ENGINEER

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Backend Developer with 6 years of experience in designing and implementing scalable distributed systems across e-commerce and finance domains. Proven track record of building and delivering high-performance Java applications using Spring frameworks. Seeking challenging Backend Developer roles to architect and deliver robust, scalable solutions.

SKILLS

Languages: Java, Python, Groovy
Frameworks: Spring MVC, SAP Commerce, Spring Boot, Flask
Databases: MySQL, SQL Server, MongoDB, SAP HANA, Redis
Generative AI: RAG (Retrieval-Augmented Generation), LangChain, Streamlit, Vector Embeddings
Others: Data Structures, Systems Design, Microservices Architecture, Kafka, TIBCO JMS, Spring Data JPA, Solr, Apache FreeMarker

EXPERIENCE

SAP India

Development Consultant

Gurgaon, IN

September 2021 - Present

South Africa's leading pharmacy chain

- Designing and developing e-commerce and quick commerce platforms for SA's leading pharmacy chain, aimed at supporting traditional and 60-minute delivery options, with scalable backend systems to handle high transaction volumes.
- Integrated **payment gateways** such as, PayU, Ozow, and PayGate to facilitate diverse payment methods, including credit cards, EFT, and digital wallets, with mechanisms to handle refunds, retries and failure scenarios.
- Engineered backend workflows for order placement and processing, focusing on reliability, and seamless user experience.

India's largest B2B fashion store

- Enhanced the backend of India's largest B2B fashion commerce platform using SAP Commerce at the core and dedicated Spring Boot based microservices for the primary functionalities.
- Designed the architecture for *Tag Engine* microservice aimed at implementing tagging functionality, with scalability to accommodate over 3 million products, laying the groundwork for future development.
- Led a team** of four to implement location-based pricing, enabling sellers to offer region-specific pricing based on PIN codes, **increasing sellers' revenue by 15%** on average.
- Reduced shipping costs by up to 50%** by introducing a multi-warehouse strategy, allowing over 1,00,000 sellers to fulfill orders from the nearest warehouse.
- Enhanced the product creation flow by implementing the **parallel processing of product data** received from Kafka.

Nagarro Software

Software Engineer

Gurgaon, IN

January 2019 - September 2021

UK's online car finance platform

- Developed core components of high-volume platform using Spring Boot, processing 1000+ daily loan applications.
- Designed and optimized microservices architecture using new REST APIs, resulting in 35% improved response time.
- Implemented comprehensive testing strategy with JUnit and Mockito, while monitoring system performance with Splunk.

PROJECTS

LogSense AI : Developed a Streamlit-based Gen AI chatbot that leverages RAG to answer to user queries. Engineered its document retrieval system using HANA DB to store 3000+ technical resolution documents as vectors and using cosine similarity search to dynamically fetch the most relevant results to set as context for each query. Integrated with LLMs through LangChain.

SAP CDC Plugin : Developed a Flask-based web application as a plugin for SAP Customer Data Cloud, enabling clients to fetch data fields based on their stored configurations, create customizable templates, and upload filled templates to update the data in CDC. Implemented LLM integration to provide email translations in 10+ languages.

EDUCATION

Thapar Institute of Engineering & Technology, Patiala, IN

Bachelor of Engineering in Computer Engineering

July 2014 - July 2018

GPA: 7.3/10.0

Lovely Professional University, Phagwara, IN

Master of Science in Information Technology (Distance Education)

July 2021 - February 2023

GPA: 7.7/10.0