Lokesh Singh

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Summary — Software Engineer with 2+ years of experience in back-end development, I bring experience in Java, Spring Boot, WebFlux and Microservices with expertise in building scalable APIs. Seeking opportunities to contribute technical expertise and drive impactful solutions in a dynamic organization.

Skills

Languages	Core Java, Java 8, C++, SQL	**Core Subjects**	Data Structures & Algorithm, DBMS, Operating System, Computer Network
Frameworks	Spring, Spring Boot, Webflux, Spring Cloud	**Misc**	Microservice, LLD, Design Patterns, RestAPI, Agile, Team Collaboration, Problem Solving
Dev Tools	Kafka, Spark, Git, GitHub, Maven, MongoDB		
Familier With	Python, JavaScript, TypeScript, Angular		

Experience

Nisum Technologies, Inc.   **Aug 2022 – Present**
Backend Engineer   *Hyderabad*

Client: Albertson's

- Worked on the Catalog Team for Safeway, a leading e-commerce company under Albertson's Companies.
- Developed and delivered new features and APIs, improved the functionality of the application and reduced response times by 25%. Wrote the **cloud run function** code in Python for the GenAI Project to generate the product attributes.
- Successfully migrated a legacy Spark Streaming processor to modern code practices, refactoring a monolithic file into multiple modulate files to adhere to **Bridge Pattern**, improved Performance and reduced run time by 12 Minutes.
- Analyzed and refactored code to maintain high-quality standards, achieving 95% code coverage with unit and integration tests.
- Collaborated with internal and on-site teams, ensuring seamless communication and alignment between global stakeholders, contributing to the on-time delivery of 100% of project milestones.
- Using advanced tools and technologies, including Java 8, Spring Boot, Spring WebFlux, MongoDB, Spark, Kafka, Azure, and Spring Cloud, to deliver enterprise-grade software solutions.

Client: Macy's

- Responsibilities: Development, JUnit test cases, code coverage, endpoint validation, logs, and debugging.
- Improved code quality using Java 8 features and Java streams.
- Proactively sought and applied the feedback of the team lead to improve code quality and team collaboration

Education

MBM Engineering College, Jodhpur   **2018-2022**
Bachelor of Engineering in Electronics & Computer   *8.21/10*

Projects

Order Management Application (An e Commerce application, Personal Project) GitHub Link   May 2023 – July 2023
- Engineered a microservices-based application comprising User, Product, Bag, and Order services.
- Enabled inter-service communication using Spring WebClient, reducing API response time by 25 percent .
- Integrated an API gateway for service discovery, supporting seamless daily routing for up to 10,000 requests.
- Established and integrated a centralized Config Server to manage shared configurations across multiple services.
- Implemented webhook-triggered POST requests for remote changes, reducing deployment time by 40 percent.
- Ensured consistent configuration updates across all connected services with 99.9 percent uptime reliability, consistency and synchronization of settings and parameters.
- Tech Stack: Java, SpringBoot, WebFlux, Spring-Cloud, Kafka, MongoDB, Microservices, Eureka server, API gateway

SmartReco (Personalized Product Recommendation System) GitHub Link   Nov 2024 – Inprogress
- Designed a Product Recommendation System using collaborative filtering, content-based filtering, and popularity-based models to enhance users engagement in the application.
- Improved recommendation accuracy and solved the **cold-start** problem for new users, boosting product discovery.
- Processed user activity and product data with graph-based and attribute-driven algorithms to provide personalized suggestions. Gained practical experience in data structures like **graphs**, and hash table.

Certificates And Trainings

- Generative AI and Python, Google Cloud, Nisum training - Ongoing
- Supervised Machine Learning: Regression and Classification Deeplearning.ai, Coursera - Ongoing
- Algorithms, Princeton University, Coursera - Completed