

Arpit Singh

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SUMMARY

Skilled Java Developer with over 6.5+ years of experience in backend development, specializing in scalable systems and technologies such as Java, Apache Kafka, Spring MVC, Cassandra, NoSQL, and microservices. Passionate about solving complex business challenges using innovative open-source technologies.

SKILLS

Technical Skills: Java, Python, Spring Boot, Spring MVC, Spring Cloud, Azure Cloud, Reactive Programming, Apache Kafka, Cassandra, Microservices, Docker, Kubernetes, Event Driven Architecture, SQL, NoSQL, Oracle, Azure Cosmos DB

Tools & Methodologies: Git, Maven, Jenkins, JUnit, Mockito, JMeter, TestNG, Jira, Splunk, Dynatrace, OpenTelemetry, Grafana, Prometheus, Data Structures, Algorithms, OOP, SDLC, System Design Principles, Agile Methodology

WORK EXPERIENCE

Walmart Global Tech India, Bengaluru

May 2022 - Present

Software Development Engineer III

- Designed and developed a scalable file-processing system using Java, Spring Boot, Kafka, and Cassandra to update safety stock for millions of SKUs. Reduced processing time from 1 hour to under 10 minutes for **100K+ records**, ensuring high availability, fault tolerance, and near real-time updates.
- Spearheaded the migration, design, and development of an enterprise inventory system for over **100 million products**. Optimized performance by **30%** using distributed computing and Kafka-based microservices.
- Designed and developed end-to-end WFS global inventory flow in GROOT, including two services—one for onboarding new offers and another for real-time syncing of US inventory updates to the Mexico market. Leveraged Kafka for reliable data flow, applied validation and contract transformation, and deployed on a cloud-based platform.
- Developed a custom module to keep inventory data intact, even when item IDs were missing. Utilized Cosmos database and Kafka to maintain **5% higher data accuracy**.
- Led a team to implement daily sync of **100 million product catalogs**. Utilized parallel processing and smart threading to optimize performance, maintaining **99.95% data accuracy**.
- Set up comprehensive monitoring with Prometheus, Grafana, and Splunk. Designed intuitive dashboards to proactively detect and fix infrastructure/app issues.
- Led a cost-saving initiative by identifying unused cloud resources and establishing time- and load-based pod scaling, leading to an annual cost reduction exceeding **\$50,000** in cloud expenditures.

Publicis Sapient (Goldman Sachs), Noida

Nov 2021 - May 2022

Associate Technology L2

- Worked with Goldman Sachs on the Marcus Highline project, focusing on the trading squad to process and rebalance ETFs in customer trading accounts.
- Designed and developed high-performance applications using Java, Core Java, Spring Boot, and OOP, contributing to the success of the project.

Tata Consultancy Services, Lucknow

Feb 2019 - Nov 2021

Java Developer

- Contributed to the Global Recruitment System, providing end-to-end solutions in hiring, from shortlisting resumes to generating offer letters.
- Designed and developed high-volume, low-latency applications and contributed to all phases of the development lifecycle.
- Collaborated with internal and external stakeholders to gather requirements and developed REST APIs.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science Jul 2014 - May 2018

Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh, India

INTERESTS

- Reading: Enjoy exploring technical literature and staying updated with the latest trends in software development.
- Traveling: Passionate about exploring new cultures and gaining diverse experiences.
- Chess: Engage in strategic thinking and problem-solving through playing chess.