

Harsh Singh

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SUMMARY

Programming Languages: Java, C

Frameworks & Tools: Spring Boot, MySQL, Docker, Jenkins, ReactJS, MongoDB, Azure, Git,

Familiar with: Microsoft Cloud Storage, Kibana, Cloud Functions, JUnit, Mockito

EXPERIENCE

Ecom Express | Software Development Engineer - I

(Jun '22 - Current)

- Designed, analyzed, and updated program changes with ease using **Maven** to create project archetypes and build interface modules.
- Integrated **Kafka** as a messaging system to enhance the event-driven architecture and ensure seamless real-time communication between microservices.
- Driven the user authentication workflow through established protocols and technologies, resulting in a **50% time savings** for the initial release. Implemented **Docker** in some existing services for a better deployment process.
- Developed the service using **Spring Boot**, and wrote **unit tests** using **JUnit** and **Mockito**, with **IBM APIC** as **API Gateway**.
- Improved** processing bandwidth from **500 transactions/day** to **20k transactions/day**, generating over **50k statements**.
- Worked on the Customer Onboarding module of the Scadi-2 service of Ecom Express, and added several new features to onboard customers seamlessly.

Cognizant | Program Analyst

(Feb '22 - Jun '22)

- Demonstrated versatility in Java development by effectively utilizing features introduced in both Java 8 and Java 11
- Applied expertise in database management, working seamlessly with MySQL to ensure efficient data storage and retrieval
- Developed, in a team of 2, the User service which facilitates the User creation, update, retrieval, deletion & global search.

ACHIEVEMENTS

Google Kickstart '20

- Achieved **Global rank - 744 [5100+ Participants]** in round F of Google Kickstart 2020.

Microsoft Azure AZ-900

- Certified in Azure fundamentals.

PROJECTS

InventoryManager - Inventory Tracking Application

- Designed an intuitive user interface using Spring Boot for efficient navigation and interaction with inventory data.
- Implemented functionalities for adding, updating, and deleting inventory items, as well as generating reports for inventory analysis.
- Integrated Spring Data JPA for simplified database access and management, ensuring data consistency and reliability.
- Employed Spring AOP for logging and monitoring inventory-related operations, enhancing system transparency and traceability.
- Tech Stack:** Java, Spring MVC, Spring Data JPA, Spring AOP, MySQL.

EventPlanner - Event Management System

- Utilized Spring Security for user authentication and authorization, ensuring secure access to event-related functionalities.
- Integrated with MySQL database for persistent storage of event data and Hibernate ORM for seamless database interaction.
- Developed RESTful APIs for communication with the front end, enabling smooth integration with various client applications.
- Tech Stack:** Java, Spring Boot, Spring Security, Hibernate ORM, MySQL..

EDUCATION

BTech in Information Technology - Galgotias College of Engineering and Technology

(July '18 - June '22)

- CGPA - 7.9, Conducted open-source outreach programs, workshops, coding contests, and hackathons throughout the college years.