AYUSH KUMAR SINGH

FULLSTACK JAVA DEVELOPER

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SUMMARY

Results-driven FullStack Java Developer with 3.6 years of experience designing, developing, and deploying scalable, high-performance backend applications. Proficient in **Java, Spring Boot, and Microservices**, with hands-on experience in RESTful API design, cloud integration, and database optimization. Exposure to **JavaScript and ReactJs** for front-end collaboration and API integration. Adept at troubleshooting, performance tuning, and delivering clean, maintainable code in Agile environments.

TECHNICAL SKILLS

- **Languages:** Java(Core , Java 17+ , DSA), HTML, CSS, JavaScript ,SQL
- **Databases:** Oracle, MySQL, PostgreSQL, MongoDB , Redis
- **Frameworks:** Spring Boot, RESTful Web Services, Microservices ,ReactJs , Kafka ,AWS
- **Developer Tools:** Git, IntelliJ, Eclipse, STS, Docker, VS Code, Linux, Maven, JIRA, WinSCP, PuTTY
- **Testing /Code Coverage/Documentation :** JUnit, Mockito, JaCoCo ,Postman, Swagger
- **Data Modeling / Formats:** JSON, XML, YAML
- **Methodologies/Deployment Tools:** Agile/Scrum , Docker , K8S Basics, CI/CD

WORK EXPERIENCE

System Engineer , Tata Consultancy Services Ltd   **May 2022 - Present**

- **Refactored monolithic architecture to microservices**, enhancing modularity and reducing deployment downtime.
- Developed and maintained **SpringBoot microservices**, boosting core product performance by **30%.**
- Designed and integrated **RESTful APIs**, reducing average **response times by 25%.**
- Used **Spring Cloud Config and Eureka** for **centralized configuration and service discovery.**
- Improved database performance by **35%** using **Spring Data JPA**, optimized queries, and caching.
- Integrated Apache **Kafka** for **asynchronous communication**, reducing **latency by 25%**.
- Collaborated with front-end teams using **React.js and JavaScript** to integrate backend APIs and ensure seamless data flow.
- Created and maintained **unit and integration tests** with **JUnit and Mockito ;** created **JSON Mock Data**.
- **Documented APIs** using **Swagger ;**built **architecture diagrams** to improve team clarity.
- Collaborated in **Agile/Scrum** teams with active participation in daily stand-ups and sprint planning.

PROJECTS

E-Commerce Backend System (Java, Spring Boot, MySQL, Spring Security)

- Built backend modules for **product catalog, user accounts, shopping cart,orders,and payments.**
- Implemented **role-based access** using **Spring Security**.
- Used **Spring Data JPA** for efficient database operations with **custom queries.**
- Applied **Spring AOP** for **logging, exception handling, and validation**.
- Developed **Swagger documentation** and tested APIs with **Postman**.

EDUCATION

Bachelor of Technology   **Aug 2017 - July 2021**
JSS Academy of Technical Education, Noida

ACHIEVEMENTS

- **Star of the Month –** multiple recognitions for outstanding backend delivery.
- **Best Team Award –** recognized for team collaboration and execution.
- **Service and Commitment Award** – for organizational contributions.
- **Appreciation & Service Awards** – for consistent project contributions.