KISHAN SINGH

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PROFESSIONAL SUMMARY

Results-driven **Software Engineer** specializing in **Java Backend Development** with hands-on experience in **Spring Boot**, **Hibernate**, and **Microservices Architecture**. Skilled in designing scalable systems, improving performance, and ensuring secure, maintainable code. Strong foundation in **OOP**, **DSA**, and **database optimization**.

TECHNICAL SKILLS

- **Languages:** Java, C++
- **Frameworks:** Spring Boot, Hibernate, JPA, Microservices
- **Web Technologies:** HTML, CSS, React, JSP
- **Databases:** MySQL, Oracle
- **Tools & Platforms:** IntelliJ IDEA, Apache Kafka, Git, SonarQube, Maven
- **Core Concepts:** Object-Oriented Programming, Data Structures and Algorithms, Operating Systems, REST API Design, Software Security

PROFESSIONAL EXPERIENCE

Nucleus Software Export Limited, Noida, India *July 2023 – Present*
Software Engineer

- Implemented **Static Code Analysis** using SonarQube and SonarLint; created custom Sonar rules for Java, XML, and JSP to enforce standards, reducing code issues by **70%**.
- Developed a **microservices-based maker-checker workflow** using **Spring Boot**, **Hibernate**, and **Kafka**, cutting approval time by **40%** and reducing manual errors by **25%**.
- Used **Byte Buddy Agent** for runtime code injection in Java, improving system performance by **25%** and reducing error rate by **15%**.
- Enhanced system security by implementing **data sanitization** and applying **Content Security Policy (CSP)** headers to prevent XSS attacks.
- Resolved over **200+ critical bugs**, improving application stability and maintainability.

PROJECTS

E-Commerce Web Application
Technologies: Spring Boot, JPA, Thymeleaf, Spring Security

- Developed a full-stack application featuring user authentication, role-based access control, product catalog, and shopping cart functionality.
- Integrated secure checkout flow with Spring Security and JPA, ensuring data validation and transaction consistency.
- Implemented modular architecture following MVC principles to simplify maintenance and scalability.

Custom HTTP Server Using Java Sockets
Technologies: Java, TCP/IP Networking

- Built a multithreaded HTTP server from scratch to handle multiple client connections efficiently.
- Implemented HTTP parsing logic and response generation (200, 404, etc.) with modular design.
- Demonstrated strong understanding of network programming and Java concurrency.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering
United College of Engineering and Research, Prayagraj, India Aug 2019 – June 2023