
KISHAN SINGH

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PROFESSIONAL SUMMARY

Results-driven **Software Engineer** specializing in **Java Backend Development** using **Spring Boot**, **Hibernate**, and **Microservices**. Skilled in developing secure, scalable, and maintainable applications. Strong foundation in **OOP**, **DSA**, and REST API design.

TECHNICAL SKILLS

- **Languages:** Java, C++
- **Frameworks:** Spring Boot, Hibernate, JPA, Microservices
- **Web:** React, Vite, HTML, CSS, JSP
- **Databases:** MySQL, Oracle
- **Tools:** IntelliJ IDEA, Git, Maven, AWS EC2
- **Concepts:** OOP, DSA, REST APIs, Operating Systems, Security

PROFESSIONAL EXPERIENCE

Nucleus Software Export Limited, Noida

July 2023 – Present

Software Engineer

- Implemented **Static Code Analysis** using SonarQube and custom Java/XML/JSP rules, improving code quality by **70%**.
- Built a **microservices-based maker-checker workflow** using Spring Boot, Hibernate, and Kafka, reducing approval time by **40%**.
- Integrated **Byte Buddy Agent** for runtime code injection, enhancing performance by **25%**.
- Strengthened security with **data sanitization** and **CSP headers**, mitigating XSS vulnerabilities.
- Resolved 200+ production issues, improving overall stability and maintainability.

PROJECTS

Git Tree Object Handler

Technologies: Java, File I/O, SHA-1 Hashing, Git Internals

- Built a system to create and manage **Git tree objects** programmatically using SHA-1 hashing.
- Implemented parsing and writing of Git tree files, simulating internal Git object structure.

Custom HTTP Server Using Java Sockets

Technologies: Java, TCP/IP Networking

- Designed and implemented a multithreaded HTTP server handling concurrent requests efficiently.
- Implemented HTTP parsing and response handling for static and dynamic routes.

Portfolio Web Application (Vite + React + Spring Boot + MySQL)

Technologies: React, Vite, Spring Boot, Hibernate, REST APIs, MySQL, AWS EC2

- Developed a full-stack **portfolio website** integrated with Spring Boot backend and MySQL database.
- Created RESTful endpoints for project data and contact form integration with React frontend.
- Deployed complete application on **AWS EC2**, demonstrating CI/CD and end-to-end deployment.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engineering

Aug 2019 – June 2023

United College of Engineering and Research, Prayagraj, India