Ritu Raj Verma

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Professional Summary

Experienced Java Backend Developer skilled in building scalable and reliable server-side applications using Java and Spring Boot. Expert in API design, security, and performance optimization, with a passion for innovation and leveraging generative AI to drive impactful solutions.

Education

Masai School
Java Backend Developement
Apr 2022 – Dec 2022

A. L. Y. Collage Triveniganj
I.Sc. (Mathematics)
Apr 2017 – Dec 2019

Certifications

Masai School
Java Backend Development
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Experience

Prospecta Software
Development Engineer
Feb 2023 - May 2025

- Refactored Java integration logic into optimized stored procedures, eliminating deadlocks and reducing data processing time by 30%
- Implemented Hazelcast and EhCache for distributed caching, improving microservices and legacy application performance while reducing latency by 25%
- Revamped CSV upload framework using AWS multipart upload, supporting files up to 15GB and decreasing upload time from 1 hour to under 1 minute
- Led back-end development with Java and Elasticsearch, designing scalable database schemas and APIs using gRPC and RestTemplate
- Resolved bugs in Angular and JSP legacy applications to enhance system reliability

Projects

Microservices-Based Authentication Application | *Spring Boot, Spring Security, Hibernate Envers, Liquibase, Multitenancy, AOP*
- ⓞ **Github Repo :** https://github.com/PencilPulse/ease-security
- Collaborated with stakeholders to gather requirements and ensure alignment with project goals.
- Designed and implemented secure authentication microservices using Spring Boot and Spring Security.
- Integrated gRPC for seamless asynchronous communication between services, enhancing scalability.
- Developed custom multitenancy and security starters to promote reusability and consistency across teams.
- Maintained thorough auditing and database versioning practices with Hibernate Envers and Liquibase, ensuring high attention to detail and quality.

Simu Api | *Java, Spring Boot, Java IO, Thymeleaf*
- ⓞ **Github Repo :** https://github.com/rituraj6/simu-api
- Designed intuitive UI interfaces with Thymeleaf to facilitate clear communication and seamless user interactions.
- Demonstrated strong organizational skills by managing all project phases, from requirements gathering to deployment.
- Adapted features based on feedback, showcasing flexibility and a proactive approach to continuous improvement.
- Ensured high quality and reliability by performing thorough testing and maintaining attention to detail throughout the project.

Skills

Technical Skills: Java, Spring Boot, Spring Security, PostgreSQL, Elasticsearch, Liquibase, Docker, Nexus, Jenkins, RabbitMQ, gRPC, Microservices, HTML5, CSS3, Javascript, Java selenium, Angular, Git

Soft Skills: Time Management, Adaptability, Problem Solving, Teamwork, Effective Communication