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
Dec 2022

A. L. Y. Collage Triveniganj
I.Sc. (Mathematics)
Dec 2022

CERTIFICATIONS

Masai School
Java Backend Development
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SKILLS

Technical Skills: Java, Javascript, TypeScript, Spring Boot, Spring Security, Hibernate, Liquibase, REST, gRPC, RabbitMQ, PostgreSQL, Elasticsearch, Hazelcast, Docker, Nexus, Jenkins, JUnit, Mockito, Java selenium, HTML5, CSS3, Angular, Tailwind CSS, Microservices, Git

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

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 cross-functional teams to design and implement scalable authentication and service microservices using Spring Boot and advanced security protocols.
- Utilized excellent written documentation and clear communication to define REST and gRPC interfaces for seamless team integration.
- Demonstrated strong organizational skills by managing multiple features including multi-tenancy, auditing, and database versioning using Liquibase and Hibernate Envers.
- Adapted quickly to evolving requirements, integrating custom starters for plug-and-play security and multitenancy across different microservices.
- Maintained a high level of professionalism and attention to detail, ensuring secure, robust, and compliant authentication processes.

Simu Api | *Java, Spring Boot, Java IO, Thymeleaf*

- Github Repo : https://github.com/rituraj6/simu-api
- Designed and implemented a robust API mocking tool to facilitate independent frontend development and efficient team testing.
- Collaborated with peers to gather requirements and ensure the tool met diverse project needs.

- Developed a user-friendly interface using Thymeleaf, enabling clear communication of functionality to non-technical stakeholders.
- Demonstrated strong organization and attention to detail by documenting mock API endpoints and usage guidelines.
- Adapted quickly to evolving requirements and integrated feedback for continuous tool improvement.