

Rangdhal Vansh Kumar

Software developer



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♂ Male 🌐 <https://github.com/vanshrangdhal?tab=repositories>

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Education

St. Paul's Degree & PG College, Affiliated to Osmania University Hyderabad, India
Master of Science (Computer Science) - 2025

Avanthi Degree & PG College, Affiliated to Osmania University Hyderabad, India
Bsc Computer Science - 2023

Board of Intermediate, Ideal Junior College - 2020

Secondary School, - 2018

Technical Skills

SQL

- Proficient in SQL programming language
- Strong understanding of DML statements (SELECT, INSERT, UPDATE, DELETE)
- Familiarity with DDL statements (CREATE, ALTER, DROP)

Core Java

- Familiar with core Java concepts such as classes, objects, methods, constructors, interfaces, and packages.
- Understanding of data structures such as arrays, linked lists, stacks, and queues

JDBC, Understanding JDBC API:

- Familiarity with core interfaces and classes in the JDBC API, such as Connection, Statement, PreparedStatement, CallableStatement, ResultSet, and DriverManager.
- Understanding of how to load and register JDBC drivers, and connect to databases using JDBC URL.
- Proficiency in handling exceptions, especially SQLExceptions, thrown by JDBC methods.

Servlet API

- Understanding of the Servlet API including servlet lifecycle, HttpServletRequest, HttpServletResponse, ServletConfig, and ServletContext.
- Proficiency in storing and retrieving attributes using ServletContext.setAttribute() and ServletContext.getAttribute() methods.
- Knowledge of servlet annotations (e.g., @WebServlet) and deployment descriptors (web.xml).

Core Spring Framework

- Dependency Injection (DI): Understanding how Spring manages dependencies using annotations like @Autowired, @Component, and @Service.
- Spring Beans and Lifecycle: Knowledge of bean scopes, lifecycle methods like init, destroy, and how Spring manages these.

Spring Web

- Spring MVC: Implements the Model-View-Controller (MVC) design pattern for building web applications. It supports view technologies like Thymeleaf

Spring Rest

- Developed and implemented RESTful web services using Spring Boot for efficient client-server communication.
- Designed and exposed REST APIs using Spring MVC to handle HTTP methods (GET, POST, PUT, DELETE) for CRUD operations.

- Integrated Spring REST APIs with databases such as Oracle and mysql for dynamic data retrieval and manipulation.

Microservices

Developed microservices-based applications using Spring Boot and Spring Cloud, implementing REST APIs for modular and scalable architecture. Used Eureka for service discovery, API Gateway for routing, Spring Cloud Config for centralized configuration, and Feign Client for seamless inter-service communication. Integrated with MySQL/Oracle databases for persistent storage.

Docker

Dockerized Spring Boot applications using Dockerfile, Docker Compose, and Volumes; managed multi-container setups (app + DB) and ran custom JDK containers for scalable deployment.

AWS

Deployed Spring Boot applications on AWS using EC2 for hosting, RDS for database management, ECS for container orchestration, and ECR for Docker image repository.

Skills

- Familiarity with common operating systems like Windows, macOS
- Proficiency in Microsoft Office Suite (Word, Excel, PowerPoint)
- Problem-solving and analytical skills
- Effective communication and teamwork.

Certificates

Certified from Java full stack development

Languages

English, Hindi, Telugu

Courses

Java full stack development, *Config software solutions*

06/2023 – present
Hyderabad, India

- Developed web applications using Spring Boot and REST APIs.
- Integrated mysql database for managing data persistence.
- Collaborated on front-end development using Thymeleaf
- Tested application functionalities using postman,swagger
- Gained experience in version control using Git.

Project

IRCTC

Created an IRCTC clone application using Thymeleaf for the frontend and Spring Web for the backend, with a MySQL database. The app allows users to register, log in, search for trains, view schedules, and book tickets. I also added form validations to ensure data accuracy

E-COMMERCE WEB APPLICATION

Developed a full-stack e-commerce platform using Spring Boot MVC, Thymeleaf, and MySQL with Spring Security for authentication, Razorpay integration for payments, and Spring Mail for automated notifications. Implemented role-based access (Admin & Customer), product management, cart, order processing, and ensured a scalable, secure, and extensible architecture.

Declaration

The above details which i have mentioned are correct and accurate to my knowledge