

N Rakesh Raj

Full Stack Developer (Java)

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Summary

Dedicated Full-Stack Developer proficient in Java, Spring Boot, MySQL, and Bootstrap, with a strong eagerness to create secure, scalable web applications. Experienced in creating REST APIs with JWT authentication, tested using Postman, and in utilizing Docker and Kubernetes. Successfully implemented real-world projects such as an Online Bookstore API and a P2P file-sharing system through multithreaded Java. Committed to writing tidy code and towards supporting solid backend–frontend integration in collaborative, agile teams.

Projects

Online Bookstore API, Java, Spring Boot, MySQL 2025

- Developed a RESTful API for managing books, shopping carts, and orders.
- Implemented JWT-based authentication with Spring Security.
- Used Hibernate (JPA) for ORM and tested endpoints using Postman.
- Documented the API using Swagger.

P2P File Sharing System, Java, Socket Programming 2025

- Built a peer-to-peer file transfer application using TCP/IP sockets.
- Enabled simultaneous transfers with multithreaded client handling.
- Optimized performance using file chunking and buffering techniques.

Skills

Backend :

Java, Spring Boot, Spring MVC, Spring Security, RESTful APIs, Hibernate (JPA), Maven

Databases :

MySQL, SQL

Testing & Methodologies :

JUnit, Mockito, Agile (Scrum), CI/CD Workflows

Frontend :

HTML5, CSS3, JavaScript, Bootstrap

Tools & DevOps :

Git, GitHub, Docker, Kubernetes, Postman, Swagger

Other Skills :

Object-Oriented Programming (OOP), Data Structures & Algorithms, Software Design Patterns, Linux(Basics)

Education

B.Tech Computer Science Engineering, Vellore Institute of Technology 2022 – 2026

HSC(12th), Sri Vidhya Int Res School 2022

SSLC(10th), Varadha Vikas Public School 2020

Certificates

Java SE 17 Developer

Oracle

Java Foundations

Oracle

Cloud Computing

IIT Kharagpur (NPTEL)

The Bits and Bytes of Computer Networking

Google

Languages

- English
- Tamil