ANKUR KARNA

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Summary

Software Engineer with 2+ years of experience building scalable Java Spring Boot applications, reducing system latency by 30% through microservices and multithreading expertise.

Technical Skills

Programming: Java (Proficient), Spring Boot, Spring MVC, Spring Data JPA, Spring Security, REST APIs, Multithreading
Development Tools: Maven, Gradle, JUnit, Git, Postman
Databases: MySQL, PL/SQL, MongoDB
Cloud & Automation: Microsoft Power Platform (used for Java API integration)
Other: OOP, DSA, Microservices Architecture, Agile Methodologies

Experience

HCLTech   Noida, IN
Software Engineer   Sep 2022 – Mar 2025

- Developed and optimized Java Spring Boot applications with RESTful APIs, improving system response time by 25% through efficient Spring Security configurations.
- Designed microservices with Spring Data JPA, Spring MVC, and layered architecture (Repository, Service, Model), enabling seamless MySQL data retrieval and reducing query execution time by 35% through optimized indexing.
- Implemented multithreaded processes using Executor Service to handle concurrent user requests, enhancing application scalability for 100+ simultaneous users.
- Built and maintained REST APIs for a Work Order Tracking System, integrating with Power BI for real-time reporting, reducing manual effort by 40%.
- Supported migration of Java-based applications from Windows Server 2012 to 2019/2022, ensuring zero downtime and validating performance post-migration.

Projects:

- Work Order Tracking System: Engineered a full-stack Java Spring Boot application with MySQL, creating 10+ REST API endpoints to automate task workflows for a manufacturing client, saving 15 hours weekly.
- Customer Insight Pro (Personal Project): Built a Java Spring Boot application with MySQL, enabling CRUD operations for 1,000+ customer and product records. Designed 15+ REST API endpoints with Spring MVC and Swagger, supporting analytics with 90% query accuracy. Optimized MySQL queries and integrated Power BI dashboards, reducing data retrieval time by 25%.

Education

Bharati Vidyapeeth's College of Engineering, IPU   Delhi, IN
B.Tech in Computer Science & Engineering   Aug 2019 – May 2022

Certifications

AWS Certified Cloud Practitioner   Apr 2023 - Mar 2026