

# Ankur Karna

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## SUMMARY

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Java Developer with 2+ years of experience in building scalable backend solutions for manufacturing and analytics using Spring Boot, REST APIs, and Agile practices.

## EXPERIENCE

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- HCLTech** Sep 2022 – Mar 2025  
*Software Engineer* Noida, UP, IN
  - Built REST APIs for manufacturing systems with Spring Security and JWT, securing data for 1000+ users and cutting response times by 25%.
  - Optimized microservices with JPA/MySQL, using indexing and caching to reduce query execution time by 35% for client applications.
  - Migrated legacy Java systems to Windows Server 2022 using Docker and Maven, achieving zero downtime for high-availability deployments.
  - Enhanced performance with multithreading via ExecutorService, processing 1000+ daily transactions with 20% improved throughput.
  - Drove Agile development, debugging with JUnit/Mockito and streamlining CI/CD with Jenkins, accelerating release cycles by 20%.

## TECHNICAL SKILLS

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**Languages & Frameworks:** Java (8, 11, 17), Spring Boot, Spring MVC, JPA, Spring Security, Hibernate, REST APIs, Multithreading  
**Tools & Platforms:** Maven, Gradle, JUnit, Mockito, Git, GitHub, Postman, Docker, Jenkins, Microsoft Power Platform  
**Databases:** MySQL, PL/SQL, MongoDB,  
**Cloud & DevOps:** AWS (EC2, S3), Kubernetes (basic), CI/CD pipelines  
**Methodologies:** OOP, DSA, Microservices Architecture, Agile

## PROJECTS

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- Work Order Tracking System** | *HCLTech*
- Built Spring Boot microservices app with MySQL, automating Work Order creation with 10+ REST APIs, saving 15 hours weekly.
  - Used multithreading with ExecutorService for 1000+ users' WO data, cutting latency by 25%.
  - Created KPI calculations for Agile/Waterfall, with Power BI dashboards for burn rate and resource utilization, boosting decisions by 30%.
- Customer Insight Pro** | *Personal Project*
- Built Spring Boot platform for sales trends with 15+ REST APIs and Power BI, achieving 25% faster queries.
  - Optimized MySQL queries with indexing, improving data retrieval reliability for 1000+ records.

## EDUCATION

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

## CERTIFICATION

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**AWS Certified Cloud Practitioner** Apr 2023 – Mar 2026