

NISHANT RAJ

New Delhi, India | ✉ nishant.read@gmail.com | in [nishantunderstand](#) | 🌐 [nishantunderstand](#)

PROFESSIONAL SUMMARY

Experienced Java Backend Engineer with 3 years 8 months of expertise in designing and scaling enterprise-grade microservices using **Spring Boot**, **Hibernate**, and **REST APIs**. Proven track record in building high-performance systems on **GCP**, optimizing JVM performance, and implementing robust CI/CD pipelines. Skilled in leveraging **Agentic AI** and **GitHub Copilot** for accelerated, intelligent code generation. Strong advocate of Agile practices, clean code, and test-driven development. Adept at solving complex backend challenges with a focus on scalability, reliability, and developer productivity.

TECHNICAL SKILLS

Programming Languages: Java Core, Java 8, SQL

Frameworks: Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, JUnit 5, Mockito, RESTful APIs

AI Tools: GitHub Copilot, Agentic AI, Vibe Coding

Microservices: JWT, RBAC, Apache Kafka, OpenAPI/Swagger, Threading, HikariCP

Tools: Git, GitHub, Jenkins, Docker, Maven, Postman, Jira, Confluence

IDEs: IntelliJ IDEA, Eclipse, VS Code

Databases: IBM DB2, MySQL, Oracle DB

Cloud & Monitoring: GCP (Certified), Azure AZ-900, GCP Log Server, Log4j

Others: SDLC, Microservices, Object-Oriented Programming, Agile Software Development

WORK EXPERIENCE

Tata Consultancy Services (TCS)

01/2023 – Present

Java Backend Engineer

Noida, India

Government e Marketplace (GeM) | Java, Spring Boot, OpenAPI, GitHub Copilot

- Modernized India's largest public procurement platform, **gem.gov.in**, handling transactions worth over Rs 3 lakh crore.
- Architected scalable microservices using **Spring Boot** and **Java** for seamless onboarding of 1M+ government users.
- Defined API contracts using **OpenAPI 3.0**, ensuring consistent integration across 15+ modules.
- Leveraged AI tools (**Agentic AI**, **GitHub Copilot**) for intelligent code generation, reducing boilerplate development by 40%.
- Applied **SOLID principles** and design patterns (**Factory**, **Strategy**) to improve modularity and reduce technical debt.
- Optimized **JVM performance** via G1GC tuning, reducing latency spikes by 35% during peak load.

Walgreens Boots Alliance | Java, Hibernate, JUnit, Jenkins, API

- Reduced critical downtime by 60% via proactive fault detection and alerting mechanisms.
- Integrated **Worldpay** gateway, reducing failed transactions by 90%.
- Developed robust payment module using **Java**, **Hibernate**, **JPA**, **Lombok**, streamlining transactions across 8+ services.
- Increased test coverage to 85% using **JUnit 5** and **Mockito**, reducing post-deployment bugs by 20%.
- Automated CI/CD pipelines using **Jenkins** and **Docker**, reducing release cycles by 40%.

Carasoft | Spring Security, Apache Kafka, JWT, Log4j, RBAC

- Redesigned user notifications module, increasing engagement by 40%.
- Implemented **RBAC** and **JWT authentication**, cutting access-related bugs by 90%.
- Improved root cause analysis by 45% using structured logging with **Apache Log4j**.
- Used **Apache Kafka** for event-driven communication, improving system resilience.

Tech Mahindra (TechM)

08/2021 – 09/2022

Associate Software Engineer

Noida, India

Mountain Crew | DB2, MySQL, HikariCP, GCP Logging, Multithreading

- Managed module-wise documentation for data flows, mappings, and exception handling.
- Optimized DB operations via JDBC connection pooling with **HikariCP**.
- Implemented multi-threaded processors using **Fork-Join** and **Executor Framework**, improving speed by 50%.
- Diagnosed incidents via **GCP Log Server**, reducing MTTR by 30%.
- Improved query performance by 50% via indexing and SQL optimization in **DB2** and **MySQL**.
- Participated in Agile sprints using **Jira**, including stand-ups and code reviews.

EDUCATION

Dr. Akhilesh Das Gupta Institute of Technology and Management, New Delhi

08/2016 – 11/2020

Bachelor of Technology - Computer Science Engineering; GPA: 7.63/10