

Nishant Raj

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EXPERIENCE

Tata Consultancy Services (TCS)

Jan 2023 – Present

Java Backend Engineer

Noida, India

Government e Marketplace (GeM)

- Contributing to the modernization of India's largest public procurement platform (gem.gov.in), facilitating transactions worth over **3 lakh crore**.
- Architected scalable microservices using **Spring Boot** and **Java**, enabling seamless onboarding for over **Over 1 million** government buyers and sellers.
- Defined API contracts and standardized service interactions using **OpenAPI** specifications, ensuring consistent integration across cross-functional modules.

Walgreens Boots Alliance

- Reduced critical downtime incidents by **60%** through proactive fault detection mechanisms on production servers.
- Integrated payment gateway flow using Worldpay, resulting in a **90%** reduction in failed transactions and improved customer checkout experience.
- Spearheaded development and maintenance of a robust payment module using **Java, Hibernate, JPA, and Lombok**, streamlining transactions across services.
- Implemented comprehensive unit and integration test suites with **JUnit** and **Mockito**, increasing test coverage by **30%** and reducing post-deployment bugs by **20%**.

Carasoft

- Redesigned the user notifications module from the ground up, leading to a **40%** increase in user engagement and system responsiveness.
- Engineered secure permission handling with RBAC and **JWT authentication**, cutting access-related bugs by **90%** and hardening the system's security.
- Established structured error logging using **Apache Log4j**, improving root cause analysis speed by **45%** across **20+** microservices.

Tech Mahindra

Aug 2021 – Sep 2022

Associate Software Engineer

Noida, India

Mountain Crew

- Owned module-wise documentation for the **Mountain Crew** project, detailing data flows, mappings, and exception handling to enhance developer onboarding and maintainability.
- Managed **JDBC** thread connection pooling for optimized and consistent database operations under concurrent load.
- Implemented multi-threaded data processors using Java concurrency APIs such as **Fork-Join, Synchronization**, and the **Executor Framework**.
- Diagnosed and resolved high-priority production incidents via **GCP Log Server**, reducing mean time to recovery (MTTR).

TECHNICAL SKILLS

Languages: Java (Core Java, Java 8), SQL, Shell/BAT Scripts

Frameworks & Libraries: Spring Boot, Spring MVC, Spring Security, Hibernate, JUnit, Mockito, Log4j, RESTful APIs

Microservices & Architecture: Microservices, JWT, RBAC, Apache Kafka, Threading (Executor Service, Fork-Join), HikariCP

Tools & Platforms: Git, TortoiseGit, Maven, Jenkins, Docker, Postman, SOAP UI, CMD, PowerShell

IDEs: IntelliJ IDEA, Eclipse, VS Code

Databases: IBM DB2, MySQL, Oracle DB

Cloud & Monitoring: Google Cloud Platform (Certified), Microsoft Azure Fundamentals (AZ-900), Apache Log4j, GCP Log Server

EDUCATION

Dr. Akhilesh Das Gupta Institute of Technology and Management

New Delhi

Bachelor of Technology in Computer Science; GPA: 7.63/10

Aug. 2016 – Nov. 2020

Central Academy Senior Secondary School

Rajasthan

Intermediate; CGPA: 8.2

Apr. 2014 – May. 2015

Sarvodaya Bal Vidyalaya

New Delhi

High School; CGPA: 8.4

Apr. 2012 – May. 2013