

# Nakul Mitra

## Software Developer | Microservices | Java | Spring Boot

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### PROFILE

Java Backend Developer with 4 years of experience in building scalable microservices and designing high-performance RESTful APIs. Skilled in backend optimization, team leadership, and delivering clean, maintainable code. Passionate about solving real-world problems and staying current with backend technologies.

### SKILLS

**Language:** Java, SQL, Python

**Backend Technologies:** Spring Boot, Microservices, Hibernate, RESTful APIs, PostgreSQL, Redis, Batch Processing

**DevOps & Tools:** Git, Linux, GitLab, STS, VS Code, Postman, SonarQube, TortoiseGit

**Security:** REST API Security, SAST, Log4j

**Soft Skills:** Team Leadership, Agile Development, Performance Optimization, Problem-Solving

### PROFESSIONAL EXPERIENCE

#### **System Engineer, Tata Consultancy Services**

10/2021 – 10/2025 | Noida, India

- Lead a backend team to deliver scalable, maintainable, and high-performance solutions, aligning with business needs and best coding practices.
- Transitioned from monolithic to microservices architecture, improving system scalability and reducing server costs by **30%** through efficient resource utilization.
- Improved transaction speed by **40%** and reduced server costs by **15%** through optimized RESTful API designs.
- Resolved 5+ critical bottlenecks, reducing latency for **2,000+** daily users and enhancing overall system reliability.
- Previously guided the Spring Boot **1.5.7** to **2.7.0** upgrade, resolving critical duplicate bean conflicts that were breaking HQL queries, ensuring application stability.

### PROJECTS

#### **Prime Events Platform**

10/2021 – 10/2025

- Reduced high-latency API response times from **7s to 550ms**, improving system throughput by **92%** and enhancing user experience for over **10,000** daily transactions.
- Enabled offline evaluations, reducing average assessment time by **50%** and improving data accuracy for over **500** jury members and event organizers.
- Implemented automated ranking systems, reducing manual processing time by **70%** and accelerating decision-making for event organizers.
- Designed an automated file cleanup system, reducing server storage usage by **30%** and improving overall system performance.
- Enabled seamless import and management of past event data, reducing manual data entry efforts by over **60%** and improved organizer efficiency.

### EDUCATION

#### **B.Tech, IMS Engineering College**

2017 – 2021 | Ghaziabad, India

- SGPA: **8.72**
- Developed machine learning models and scientific calculator for academic projects.

### ACHIEVEMENTS

- 15+** awards for technical excellence and performance optimization. [View Awards](#)
- Key contributor to innovative backend architectures, improving system scalability.