Nakul Mitra

Software Developer | Microservices | Java | Spring Boot

✉ nakulmitra2114@gmail.com 📞 +91 7840891703 📍 Ghaziabad, India

in linkedin.com/in/nakul-mitra-microservices-spring-boot-java-postgresql 🐙 github.com/nakulmitra

👤 PROFILE

Java Backend Developer with 3.8+ 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, Jenkins, GitLab, STS, VS Code, Postman, SonarQube

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 – present | 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.
- Developed Redis-based IP rate limiting, enabling dynamic request throttling with real-time config updates.

📂 PROJECTS

Prime Events Platform   12/2021 – present
- 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.
- 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.
- Developed functionality to import and manage previously conducted events, allowing organizers to upload past event data seamlessly.

🎓 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.