MOUSAM PATRA

Backend Developer | Java, Spring Boot

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🪪 Profile

Accomplished Backend Developer with 4 years of experience, specializing in designing, developing, and maintaining scalable applications using the Spring Boot framework for the past 3 years. Proficient in test-driven development with clean code principles and SOLID design. Expertise in optimizing APIs for high performance, low latency, and seamless integration with cross-teams. Experienced in migrating on-premises applications to the cloud while ensuring functional integrity. Passionate about emerging design patterns and advanced architectural solutions to build future-ready, scalable, user-centric applications.

🎓 Education

Bachelor of Technology   2016 – 2020 | Jalpaiguri, India
Jalpaiguri Government Engineering College
Electronics and Communication Engineering | CGPA 8.24

Higher Secondary   2014 – 2016 | Howrah, India
Udaynarayanpur Sarada Charan Institution
Science | Percentage 89.80

💼 Professional Experience

Tata Consultancy Services   03/2021 – present | Kolkata, India
System Engineer

Performance Management, *Jul22 - Present*

- **Application Development and Optimization:** Designed and developed a scalable, maintainable Spring Boot application following clean code principles and test-driven development (TDD) practices.
- **API Design and Integration:** Created, modified, and optimized APIs adhering to SOLID principles for enhanced performance and reduced response times. Integrated email functionality and managed efficient handling of diverse document types.
- **Cloud Migration and Disaster Recovery (DR) Setup:** Successfully migrated on-premises applications to cloud infrastructure while preserving all functionalities and ensuring seamless operation. Set up a disaster recovery (DR) environment, collaborating with stakeholders and cross-functional teams to address critical project needs.
- **Framework and Security Upgrades:** Updated frameworks and dependencies as per architectural recommendations, ensuring compliance with industry standards and security measures.
- **Collaboration with cross-functional teams:** Worked closely with front-end developers for seamless API integration and database teams to optimize queries, enhancing application and database performance.
- **Automated testing and deployment:** Performed testing and deployment of the code, utilizing Jenkins pipelines to automate builds and deployments, ensuring timely and error-free releases.

BJ's Wholesale Club, *Mar21 - Jun22*
- **Supply Chain Optimization:** resolved issues that may affect supplies, ensured minimal disruptions and compliance with SLAs.
- **Process Automation:** Designed and implemented an automated reporting tool with cross-functional teams, reducing manual workload by 30%.
- **Comprehensive Documentation:** Maintained detailed documentation of system configurations, processes, and standards.
- **Proactive Monitoring:** Implemented monitoring mechanisms to proactively detect system anomalies and improve issue resolution time.

Projects

Attenta Android: Yoga Meditation Sleep.   08/2020 – 01/2021
Mobile App Development - Selegic India Pvt Ltd
- Designed and coded Android applications using Java and Kotlin.
- Identified and resolved software defects to ensure smooth functionality.
- Collaborated with product managers and team members to understand requirements, provide technical insights, and deliver high-quality applications.
- Product: *Attenta Android: Yoga Meditation Sleep* - The Attenta application is a platform for mindfulness. Learn and practice yoga from well-trained yoga teachers. Browser through their recorded sessions or connect with a Yoga teacher for individual or group sessions.

Skills

PROGRAMMING LANGUAGE: Core Java (Java 8+) │ Oops Programming │ Kotlin │ SQL │ C Language │ Competitive Problem-Solving

FRAMEWORK/TOOLS: Spring, Spring Boot │ STS4 │ Postman │ GitHub, GitLab │ pgAdmin 4, WinSCP │ Jenkins, CI/CD │ JBoss │ Android Studio

Courses and Certificates

- Spring Professional Learning Path ⬈
- Rest API Certificate ⬈
- Java Programming Specialization ⬈

- Spring Framework Master Class ⬈
- Version control ⬈
- Generative AI by Microsoft and LinkedIn

Languages

English │ Bengali │ Hindi

Interests

- Integrating AI into APIs   - Advanced Architecture   - Docker