

Syed Mizan

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EXPERIENCE

System Engineer | TCS

Sept 2024 - present

- Delivered and maintained Java, Spring Boot & REST APIs to support enterprise-grade applications, ensuring 99.9% uptime, scalability, and faster response times.
- Optimized complex SQL queries and developed Liquibase change sets/packages for Oracle schema modifications, resulting in a 27% improvement in query performance, faster feature delivery, and minimizing deployment errors through automated, version-controlled database updates.
- Orchestrated and scheduled batch jobs in Control-M with well-defined dependencies and execution order, improving workflow automation, reducing manual effort by 35%, and minimizing errors.
- Implemented MyBatis ORM with custom result maps and runtime-constructed queries, improving data access efficiency, reducing database overhead by 18%, and accelerating query execution for high-volume transactions.
- Enhanced quality assurance through unit & integration testing, achieving more than 80% code & mutant coverage, and decreasing defect leakage to production.
- Integrated Apache Solr for advanced search capabilities, enabling faster and more accurate data retrieval, which improved application response time and user experience by 30%.

PROJECTS

AEC Healthcare

[Github](#)

- Engineered a hospital management web application with modules for admin, doctor, and patient, enabling online appointment booking and automated scheduling, which reduced manual booking effort by 65%.
- Implemented backend using Java Servlets and frontend with JSP, incorporating session management, authentication, and role-based access control, ensuring secure access for 100% of users across roles.
- Architected and managed MySQL database for patient records, appointments, and doctor schedules, improving data integrity and optimizing query response time by 30%.

Ground & Turf

[Github](#)

- Designed and developed Spring Boot microservices for user authentication, booking workflows, and turf management, enabling modular feature rollout, 30% faster development cycles, and high scalability to support increasing user traffic.
- Built slot management APIs to generate, manage, and book time slots automatically based on turf availability and working hours, improving resource utilization and booking efficiency by 44%.
- Integrated Oracle DB with MyBatis ORM for efficient data persistence and query handling, reducing database query time by 25% and enhancing transaction reliability.

SKILLS

Programming	Java (200+ on Leetcode), SQL, UNIX
Frameworks & Testing	Spring boot, Rest API, MyBatis, Liquibase, Junit, Mockito
Versioning & Tools	GIT, Bitbucket, GitHub, Control-m, Jira, Sonar
Concepts	DSA, OOPs, DBMS

EDUCATION

2020 - 2024	B. Tech (CSE) Asansol Engineering College	(CGPA: 9.04)
2017 - 2019	Class 12th Burnpur Riverside School	(Percentage: 81.2%)

CERTIFICATES

- Certified by Wipro for successfully completing the TalentNext course on Java. (SEP 2023)
- Recognized as a member of the organizing team of TECHNOVA 2023. (JAN 2023)
- Accredited for my project submission in TECHNOVA 2021 by CSI Project Exhibition Convention at State Level. (DEC 2021)