

# SHAIK ASMA

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## ABOUT ME

Experienced System Engineering/Java Developer with expertise in designing, developing, and maintaining software using Java and SQL. Proficient in writing efficient and reusable code, managing software libraries, and integrating Java and SQL technologies. Demonstrated ability to deliver 15+ high-quality solutions on time, while staying up to date with the latest trends and technologies.

## TECHNICAL SKILLS

- **Programming Languages:** JAVA, SQL, Python
- **Web Technologies :** RestAPI, HTML, CSS
- **Developer Tools:** Git, GitHub, Postman, JIRA, SpringToolSuite, Eclipse, swagger ,IntelliJ, PG Admin,
- **Frameworks :** Springboot, SpringDataJPA, Microservices Arch, ORM (Hibernate), Collection Framework
- **Cloud Technology(AWS):** EC2, S3, RDS
- **Database Technologies:** PostgreSQL, MySQL
- **Operating Systems:** Windows, Unix
- **Automation Framework:** TestNG - Test Automation, JUnit

## EXPERIENCE

### INFOSYS | System Engineer | Jan 2022 – Feb 2024

- 2+ years of experience at Infosys, I have successfully contributed projects working in Java environment. My role involved designing, developing, and optimizing complex software systems while focussing on both performance improvements.
- Developed and optimized Java-based applications, focusing on building scalable, high-performance systems, utilized frameworks like Spring Boot to create efficient backend services, ensuring optimal performance and reliability.
- Designed and implemented dynamic queries using Java Criteria Builder, incorporating complex joins to retrieve data from multiple entities, resulting in improved data retrieval efficiency by 25% in a large-scale application.
- Integrated Kafka for real-time Systems, collaborated with team to develop and manage messaging system.
- Designed and developed RESTful APIs to facilitate communication between front-end systems and backend services, enhanced system interoperability and reduced response times through efficient API design and implementation.
- Actively participated in Agile development cycles, including sprint planning, daily stand-ups, and retrospectives. Collaborated closely with cross-functional teams to deliver timely, high-quality software and continuously improved development processes.
- Provided ongoing support and troubleshooting for production applications. Identified and resolved technical issues to ensure uninterrupted service delivery and optimal system performance.
- Designed and implemented microservices for 10+ entities with complex relationships using JPA and Hibernate, and developed comprehensive APIs for CRUD, search, and business logic operations.
- Experienced in Swagger documentation for API development. Used Swagger UI for testing and validating RESTful APIs with interactive documentation.

## PROJECTS

### **Project Title:Telstra | Technology: Java-SpringBoot-Microservices:**

- Enhanced the existing functionality, by spring framework and microservices arch approach , improved code efficiency by Junit framework, performed lower and higher Env testings by testing tools like Postman.
- Involved in CI/CD process, utilized Bamboo pipeline to automate build, test, deployment processes, and SonarQube analysis for code smells, bugs and integrating with AWS ECS for seamless deployment and scaling, continuous code Quality and Security.
- AWS S3 for storing and managing application code, and configurations,
- Played a key role in onboarding processes by conducting tailored sessions on system setup, minimizing ramp-up time for new team members, and enabling them to contribute effectively from day one.

### **Title:DigitalProject | CRMImplementation | Technology:JavaSpringBootMicroservices, SpringDataJpa, ORM:**

- Designed and developed RESTful APIs using Spring Boot to manage consent data, implementing endpoints for create/read/update operations with comprehensive input validation and error handling for robustness.
- Applied Clean Architecture and Dependency Injection (IoC) to structure the application into modular layers (controller, service, repository), ensuring high maintainability, testability, and separation of concerns.
- Secured APIs using API key-based authorization, with custom exception handling for unauthorized access, invalid tokens, and bad requests, maintaining consistent and secure access control.
- Enhanced performance and observability through asynchronous processing (e.g., @Async, CompletableFuture) and structured logging with contextual metadata (e.g., MDC), supporting debugging and auditing.

### **Currently Working: E commerce Application| JavaSpringMVC,ORM, SpringDataJPA, UI Technologies- JS,HTML,CSS | Project is in progress:**

- Designed and developed RESTful APIs using Spring Boot to manage consent data, implementing endpoints for create/read/update operations.
- Developing UI , from viewing the items relating to firm to order placement.
- Currently developing user interface corresponding to order placement end point.

## ACHIEVEMENTS

- Authored 100 lines of code for backend functionalities including Db queries, end points contributing to project completion.

## EDUCATION

- **BTech (CSE)** | G Pullaiah College of Engineering and Technology | Jawaharlal Nehru Technological University | 2021