

NIHARIKA MODUGU

Full Stack Java Developer

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PROFESSIONAL SUMMARY

Detail-oriented and analytical Full Stack Java Developer and Quality Assurance Engineer with 4+ years of experience in designing, developing, and testing enterprise-grade applications. Proven expertise in Java-based technologies, automation frameworks, microservices, cloud platforms (AWS), and CI/CD pipelines. Adept at building robust, scalable systems and ensuring software quality through comprehensive testing strategies. Strong collaboration skills and a passion for delivering high-performing, secure, and reliable applications.

EDUCATION

Master of Science in Computer Science

University of North Texas, Denton, TX | Jan 2023 – May 2024

TECHNICAL SKILLS

- **Programming & Backend:** Java, J2EE, Spring Boot, Spring MVC, Spring Security, Hibernate, JDBC
- **Testing & QA Tools:** JUnit, Mockito, Selenium, Postman, REST Assured, TestNG, Jasmine, Karma
- **Databases:** PostgreSQL, Oracle, MySQL, MongoDB
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, API Gateway), Jenkins, Docker, Kubernetes, Git, Bitbucket
- **Other Technologies:** RESTful APIs, Agile/Scrum, OAuth 2.0, CI/CD Pipelines

PROFESSIONAL EXPERIENCE

Full Stack Java Developer

Verizon (Remote) | Jan 2024 – Present

- Developed and deployed secure microservices using Java, Spring Boot, and AWS Lambda/API Gateway, improving backend performance and scalability.
- Built RESTful APIs and automated test suites with JUnit and Mockito to ensure 90%+ test coverage and reduce production issues.
- Designed backend systems for data processing, integrating with PostgreSQL and AWS RDS for reliable storage and querying.
- Created and maintained CI/CD pipelines with Jenkins and AWS CodePipeline, streamlining deployment workflows.
- Used Docker and Kubernetes for containerization and orchestration, ensuring consistent builds and faster recovery.
- Monitored systems with AWS CloudWatch and X-Ray for performance optimization and proactive error handling.
- Collaborated with QA teams to define testing requirements and build automation scripts for API validation.

Java Developer

W3 Logics (Hyderabad, India) | Jul 2019 – Dec 2022

- Developed enterprise web applications with Spring Boot and Hibernate, enhancing code reusability and maintainability.
- Designed automated test cases using JUnit, Selenium, and REST Assured, improving defect detection rate by 30%.
- Participated in Agile development, contributing to sprint planning, code reviews, and QA support.
- Integrated backend services with relational databases (Oracle, PostgreSQL), writing stored procedures and optimizing SQL queries.
- Built CI/CD pipelines in Jenkins with Docker, increasing delivery speed while maintaining system stability.
- Improved legacy systems with Java upgrades and testing automation, reducing regression bugs across releases.

CERTIFICATIONS

- **AWS Certified Developer – Associate**
- **Oracle Certified Professional: Java SE Programmer**