

Lydivine Mugisha

616-634-7019

mulidivine@gmail.com

linkedin.com/in/lydivine-mugisha

Dallas, TX

Software Quality Assurance Engineer

Quality-focused **Software Quality Assurance Engineer** with over 4 years of experience in developing, implementing, and managing test automation strategies within CI/CD environments. Proficient in leveraging tools such as **Selenium**, **JMeter**, **PowerApps**, and **JIRA** to ensure the delivery of high-quality software solutions. Demonstrated expertise in **Agile methodologies**, **API testing**, and **defect management**. Passionate about driving continuous improvement and collaborating with cross-functional teams to enhance application stability, security, and performance. Seeking to bring proven skills in **test automation** and **quality assurance**.

RELEVANT SKILLS

TEST AUTOMATION TOOLS: Selenium, JMeter, TestNG, UFT, Rally, PowerApps | **CI/CD & DEVOPS:** Jenkins, Maven, GitHub Actions, Docker

SCRIPTING : Python, Shell Scripting | **API TESTING & MANAGEMENT:** REST APIs, Postman, SOAP UI | **APPLICATION SERVERS:** Tomcat

TEST MANAGEMENT & DEFECT TRACKING: JIRA, ServiceNow | **DATABASE:** SQL (MSSQL, Postgres)

MICROSOFT POWER PLATFORM: PowerApps, Power Automate, Power BI | **REST APIs, Postman, SOAP UIS, CloudWatch)**

DEVELOPMENT METHODOLOGIES: Agile (Scrum, SAFe), TDD, BDD | **DEVELOPMENT METHODOLOGIES:** Agile (Scrum, SAFe), TDD, BDD

EXPERIENCE

Software Quality Assurance Analyst

Sep '21 - Present

Federal Reserve Bank

Dallas, Texas

Automation Strategy & Implementation

- Lead automation efforts using **Selenium** and **Jenkins** within a **CI/CD** environment, increasing automation coverage and reducing manual testing efforts by 40%
- Develop and execute automated **regression**, **integration**, and **performance tests**, enhancing system reliability and efficiency
- Coordinate post-install validation activities and ensured test environments and data setups met business requirements

Cross-Functional Collaboration & Test Development

- Engage in **Agile** and **Scrum** ceremonies, aligning test strategies with user story backlogs and contributing to sprint planning sessions
- Develop comprehensive **manual and automated test cases** for functional, system integration, and security testing, ensuring compliance with quality standards.
- Collaborate with software engineers and product teams to review **requirements specifications**, improving functionality, performance, and security

Quality Assurance & Continuous Improvement

- Monitor and report on **quality metrics**, including defect counts, test coverage, and resolution status, using **JIRA** to maintain consistency in defect tracking
- Conduct **security and compliance testing** for critical applications, ensuring adherence to industry regulations and enhancing application stability
- Innovate and optimize testing approaches, identifying areas for continuous improvement, and contributing to the team's automation strategy

Capabilities Development & Mentoring

- Act as a **subject matter expert (SME)** on automation, driving improvements in test strategies and mentoring junior team members in best practices
- Assist in the integration of quality principles into the design and development processes, ensuring consistency in software quality and reliability

Quality Analyst

Jan '20 - Sep '21

JP Morgan Chase (contract)

Fort Worth, Texas

- Conducted **functional testing** for applications integrated with Power BI, validating data accuracy and improving report reliability by 15%
- Automated testing workflows using **Selenium**, reducing manual testing time by 30% and improving test coverage
- Collaborated with development teams to align test strategies with business objectives, supporting the timely delivery of high-quality software products

Software Quality Assurance Intern

Jul '18 - Jan '20

Federal Reserve Bank

Dallas, Texas

- Developed **testing requirements throughout the SDLC**, ensuring comprehensive testing coverage and reducing requirement gaps by 20%
- Served as a **liaison between business analysts, end users, and developers**, enhancing feature development and improving project outcomes
- Conducted **manual testing and developed automated tests using UFT**, expediting the delivery of high-quality applications and reducing testing time
- Prepared and **executed test cases for various testing types**, enhancing application performance and reliability noticeably

CERTIFICATIONS

Appian Certified Developer – Associate

Jan '24 - Jan '25

Appian

Dallas, Texas

Learned to build applications on Appian's low-code platform, focusing on process models, user interfaces, and data integration for workflow automation

Certificate in Web Client Development

Jan '22 - Mar '22

G{code} House

Dallas, Texas

Completed a coding bootcamp focused on building responsive websites using HTML, CSS, and JavaScript, with collaboration and advanced feature implementation.

EDUCATION

Graduate of Intensive Information Technology Program

Aug '18 - May '19

Year Up

Dallas, Texas

Distinguished Graduate of Year Up's Intensive Information Technology Program, honored with the **Year Up Ambassador Award**, **Core Values Award**, **Ultimate Attendance Award**, and **High Point Award** for outstanding commitment and performance.

Associates Degree, Information Technology

Jan '23 - Present

El Centro College

Dallas, Texas

Pursuing a bachelor's degree in Information Technology, focusing on software testing, quality assurance, and automation practices