

Sharif Mustafa

Please Add your Address

Phone: +1(929) 655-9561 | Email: sharifmustafa789@gmail.com
(Active Public Trust Clearance)

Professional Summary

- Expert in **Agile SDLC** methodologies, actively participating in **sprint planning, daily stand-ups, and retrospectives** to ensure on-time project delivery and team alignment.
- Proficient in **requirements analysis and collaboration** with Business Analysts and stakeholders to ensure clear understanding of acceptance criteria and comprehensive requirement traceability.
- Skilled in designing and executing extensive **manual testing** including **functional, regression, integration, UAT, and performance validation** to achieve complete test coverage.
- Experienced in **test management and documentation**, developing detailed test plans, strategies, and summary reports to streamline processes and enhance knowledge transfer.
- Adept at **defect management** using **JIRA** and **ServiceNow**, implementing systematic triage processes to track issues and reduce production defect leakage.
- Strong background in **automation framework design** using **Selenium WebDriver, TestNG, Maven, and Cucumber (BDD)** to create hybrid, data-driven frameworks that reduce regression execution time.
- Proven ability in **automation script development** for web applications using **Java**, creating robust automated test scripts that significantly enhance testing efficiency.
- Knowledgeable in **element locator strategies** including **XPath and CSS Selectors** to build reliable automation scripts that minimize maintenance overhead.
- Experienced in **API testing** using **Postman** to validate endpoints, authenticate responses, and verify error handling for RESTful services.
- Skilled in **backend/database testing** using complex **SQL queries** against **SQL Server and Oracle** databases to validate data integrity and uncover critical issues.
- Effective in **reporting and status updates**, delivering regular QA status reports and test analysis to stakeholders using **Microsoft Azure** to support data-driven decision making.
- Thorough in **compliance and standards** validation, performing **508 Compliance Testing** and ensuring adherence to **HIPAA, GLBA, and NCUA regulations**.
- Collaborative team player who engages daily with developers, analysts, and QA peers through regular meetings to refine workflows and integrate quality assurance throughout the development lifecycle.

Technical Skills

- **Automation Tools & Frameworks:** Selenium WebDriver, Cucumber (BDD), TestNG, JUnit, Hybrid Framework, Data-Driven Framework, Keyword-Driven Framework
- **Programming & Scripting:** Java, SQL, Gherkin
- **Version Control:** Git, GitHub
- **API Testing Tools:** Postman, REST Assured
- **Test Management & Defect Tracking:** JIRA, ServiceNow, Microsoft Azure DevOps
- **CI/CD & Build Tools:** Jenkins, Maven
- **Database Systems:** SQL Server, Oracle
- **Web Technologies:** XPath, CSS Selectors, HTML
- **Accessibility Tools:** WAVE, AXE, JAWS, NVDA
- **Testing Types:** Functional Testing, Regression Testing, Integration Testing, System Testing, UAT, Performance Testing, Black Box Testing, 508 Compliance Testing, API Testing, Database Testing, Cross-Browser Testing
- **Methodologies & Standards:** Agile/Scrum, SDLC, HIPAA, GLBA, NCUA Regulations
- **Project Management & Agile Practices:** Sprint Planning, Backlog Grooming, Daily Stand-ups, Retrospectives, PI Planning

Professional Experience

QA Automation Engineer

December 2022 to Current

United States Department of Transportation — Washington, D.C.

- Actively participated in all phases of the **Agile development lifecycle**, including **sprint planning, retrospectives, and backlog grooming**, contributing to consistent on-time **sprint completion**.
- Partnered with **Business Analysts and stakeholders** to analyze **functional specifications**, ensuring a shared understanding of **acceptance criteria** and minimizing ambiguities.
- Authored and executed numerous **manual test cases** covering **functional, integration, regression, UAT, and performance validation**, achieving comprehensive **test coverage** for all assigned modules.
- Led **UAT sessions** with end-users, providing clear guidance that resulted in successful client acceptance and sign-off.
- Developed and refined key **testing artifacts**, including the **Test Strategy, Test Plan, and Test Summary Reports**, to streamline onboarding and enhance testing transparency.
- Identified, logged, and managed the lifecycle for numerous discrepancies in **JIRA** through **systematic triage**, reducing **production defect leakage**.
- Architected and refined a hybrid **test automation framework** using **Selenium WebDriver, Maven, and Java**, integrating **data-driven and keyword-driven methodologies** to significantly reduce **regression execution time**.
- Championed the adoption of a **Behavior-Driven Development (BDD)** approach with **Cucumber**, authoring **feature files and step definitions** to improve **cross-team communication**.
- Spearheaded the creation, enhancement, and upkeep of **automated test scripts** for **Java-based web applications**, which substantially reduced **regression testing time**.
- Integrated the **automation suite** with **Jenkins** to establish a **Continuous Integration pipeline**, enabling **scheduled test executions** and providing rapid feedback on **building stability** to the development team.
- Utilized a variety of **element locator strategies**, including **XPath and CSS Selectors**, to create **robust and reliable automated scripts** that minimized flakiness and improved **framework stability**.
- Conducted comprehensive **API testing** using **Postman** to validate **endpoints, authenticate responses, and verify error handling**, increasing **early-cycle defect detection**.
- Executed extensive **data validation and integrity checks** by constructing complex **SQL queries** for **backend verification**, uncovering critical issues not detectable via **UI**.
- Communicated **testing progress, outcomes, and risks** through regular **status reports**, keeping all stakeholders informed on **quality metrics and release readiness**.
- Performed rigorous **accessibility (Section 508)** and **usability evaluations**, ensuring the application met all mandated standards and securing full **compliance approval** for each release.
- Fostered a **collaborative environment** through daily interaction with **developers and analysts**, ensuring **quality assurance** was integrated throughout the entire **development process**.

QA Test Engineer

September 2019 to November 2022

PenFed Credit Union — Tysons, VA

- Analyzed **functional and business requirements** for PenFed's online banking and mobile app features, collaborating with **developers and BAs** to ensure complete **requirement traceability** and alignment with **NCUA regulations**.

- Executed numerous **manual test cases** for **Black Box, Functional, Regression, and UAT** of member-facing financial transactions, focusing on **critical defect detection** prior to production release.
- Developed and maintained detailed **test plans, scripts, and regression suites** for PenFed's systems within **Microsoft Azure**, ensuring comprehensive **test coverage** and knowledge transfer across the QA team.
- Reported, tracked, and managed defects using **ServiceNow**, facilitating clear communication and timely resolution with the PenFed development team through structured **defect triage processes**.
- Architected and maintained **Selenium WebDriver automation frameworks** using **TestNG and Maven** for PenFed's web applications, establishing a reusable and scalable testing infrastructure.
- Engineered **data-driven automation scripts** to validate various member input scenarios in PenFed's loan application and account opening flows, improving **test coverage and efficiency**.
- Utilized advanced **XPath and CSS Selector** strategies to create **robust and reliable automated scripts** for PenFed's dynamic online banking interface, minimizing **test flakiness and maintenance overhead**.
- Conducted **API testing** using **Postman** to validate PenFed's **RESTful banking services**, improving the reliability of integrations with core banking systems and payment processors.
- Performed **back-end database testing** by writing complex **SQL queries** against PenFed's **SQL Server** databases to validate **financial data accuracy**, member account details, and transaction histories.
- Produced and delivered weekly **QA status and test analysis reports** to PenFed stakeholders through **Microsoft Azure**, enhancing **project visibility** and supporting data-driven decision-making for **release readiness**.
- Performed **508 Compliance Testing** to ensure PenFed's digital services met all federal accessibility standards and conducted adherence checks for **GLBA (Gramm-Leach-Bliley Act)** data security and privacy provisions.
- Collaborated daily with **developers, BAs, and QA peers** in team meetings using **Microsoft Azure** to refine **testing workflows** and ensure quality was embedded throughout the **development lifecycle** for PenFed's financial products.

QA Analyst

April 2018 to August 2019

HCA Healthcare — Richmond, VA

- Operated within the **Agile software development lifecycle** for HCA Healthcare's clinical applications, contributing to **sprint planning sessions and daily stand-up meetings** to advance healthcare technology initiatives.
- Evaluated **business and technical requirements** for electronic medical record systems, working alongside **clinical specialists and software engineers** to verify that testing approaches aligned with medical workflows and **HIPAA guidelines**.
- Performed extensive **manual test execution** across **functional, regression, and integration testing** scenarios for clinical software platforms, validating system reliability for patient care environments.
- Created and updated comprehensive **test documentation** including detailed test plans and case specifications for healthcare information systems.
- Oversaw the complete **defect tracking process** through **JIRA**, coordinating with technical teams to resolve issues affecting clinical application performance.
- Ran scheduled **Selenium automated test suites** for regression validation, monitoring execution logs and reporting on system stability for healthcare applications.
- Updated and refined existing **automation test scripts** to accommodate system enhancements, maintaining test coverage for evolving clinical software features.

- Conducted verification of **API endpoints** using established **Postman** test collections, ensuring proper data exchange between healthcare information systems.
- Validated clinical data integrity through **SQL database queries** in **Oracle** environments, examining patient information and medical records for accuracy.
- Prepared and circulated **regular testing status updates** to HCA leadership, communicating progress metrics and quality assessments for healthcare software releases.
- Conducted **accessibility validation** following **508 Compliance standards** while ensuring adherence to **HIPAA security protocols** for protected health information.
- Partnered with **healthcare technology teams and clinical stakeholders** through regular sync meetings to coordinate testing activities and address compliance requirements.

Education

Bachelor of Business Administration in Marketing and International Business

North South University

Certifications

Please Try to obtain the following Certifications. Contact office if help needed:

- **Certified Scrum Master**
- **CompTIA Security+**
- **ISTQB Certified Tester – Foundation Level**