FREDRICK R. WALKER

# Career Summary:

* More than 12 years experience working as a QA Engineer with proven experience in test automation and manual testing for Web-based Applications, Desktop Applications, Mobile Applications, and Web services.
* Project experience in Waterfall and Agile environments
* Hands on experience with testing through entire Software Development Life Cycle
* Experience creating and executing Test plans using TFS, Jira, HP Quality Center
* Previous experience with smoke testing, functional testing, system testing, integration testing, regression testing, and UAT testing
* Developed automation frameworks using various tools (PyCharm, PyTest, Python Requests, Visual Studio, Eclipse, C#, Java, Selenium Webdriver, JUnit, MS Test, Jmeter, and Postman)
* Experience with the Defect Tracking Tools: TFS, Jira, HP ALM, and ClearQuest
* Developed and executed SQL queries for database validation
* Incorporated CI tools for continuous testing (TeamCity and TFS)
* Extensive experience working as an consultant to help entire software team reach quality goals
* Earned certificates in Machine Learning with Python, Visualizing Data with Python, and Python Basics for Data Science
* Experience working in the following industries: Information Technology & Services, Financial Services, Computer Software, Oil & Energy (Nuclear Energy), Retail/E-Commerce, Health Care, Fire Alarm System & Devices, and HR Services

# EXPERIENCE:

Feb 2018 – Oct 2020 **Institute of Nuclear Power Operations** Atlanta, GA

#### Lead Automation Architect (Contractor)

* Worked closely with project team to ensure understanding of functional requirements
* Assisted project team in estimating time for test scripting and test execution
* Coordinated traceability matrix reviews with QA team to ensure test coverage
* Defined testing approach for all levels of testing during project development
* Performed smoke, functional, integration, and regression testing
* Performed backend testing using SQL to validate database
* Created custom test automation framework (using Selenium Webdriver, C#, and MS Test) for AngularJS web application
* Created test automation framework standards which included detailed documentation
* Created framework using Postman and Jmeter for REST API testing
* Integrated Selenium project with TFS for continuous testing
* Trained junior level resources on design and execution of automation frameworks

June 2017 – Jan 2018 **MiMedx** Marietta, GA

#### Test Lead (Contractor)

* Prepare test scenarios and detailed test cases for Salesforce, Radley, and QAD applications
* Perform automation tool evaluation to leverage across multiple applications
* Review Selenium (Java) framework design, execute regression suites, and update scripts based on requirement changes
* Perform test case reviews with off-shore resources
* Document test results and provide test progress/reports to confirm completeness
* Review and analyze complex requirements to ensure technical accuracy and completeness
* Work with business analyst, developers, and the product owner to ensure proper testing coverage
* Schedule and track daily testing tasks
* Manage defects throughout the entire lifecycle

June 2013 – May 2017 **Celtic Testing Experts Inc** Atlanta, GA

#### Lead Automation Architect (Contractor)

***Project: Georgia Tech Research Institute***

* Provided best practices on Ranorex test automation implementation
* Provided guidance on standards, design, and how to troubleshoot test automation for multiple Java web applications
* Helped client overcome X-Path obstacles
* Created repeatable scripts for test suite to leverage in test case creation

#### Project: Aarons

* Leveraged VMware to run Android emulator for regression testing
* Selected a combination of Selenium Webdriver and Appium to overcome mobile testing challenges
* Designed automation scripts in C# and Javascript
* Created mobile test cases for smoke and regression test suites
* Performed testing for mobile Chrome browser

#### Project: United Technologies

* Created test plans and estimates for manual and automated testing initiatives
* Created traceability matrix to ensure test coverage
* Extracted test cases from user stories, requirements, and design documents
* Executed manual tests and updated the test case status in Quality Center
* Performed backend testing using SQL for required scenarios
* Reported and logged defects found during testing cycles
* Responsible for creating automation roadmap and test design approaches
* Designed and implemented automation frameworks using C# for WPF applications
* Lead team in creating and automating reusable code to accommodate feature changes
* Lead automation test case design and code coverage reviews
* Conducted training for Edwards automation resources on the automation framework design, test case design, and test suite design

#### Project: Casenet

* Provided assessment of the client’s automation framework and current processes
* Identified performance issues within automation framework
* Trained remote automation team on the client’s automation framework
* Created automation scripts to tackle regression testing goals
* Research and suggest improved methods/metrics for test effectiveness and to achieve consistent test results
* Log and track defects found during test runs
* Document test results and provide test progress/reports to confirm completeness
* Distributed regular status reports to upper management
* Served as single point of contact for communicating environmental issues including all testing roadblocks

#### Project: Aarons

* Designed, implemented, and maintained automation frameworks for POS application
* Created automated scripts to address database testing initiatives
* Assessed and selected automation tool to accommodate testing goals
* Created Proof of Concept (POC) demo for selected tools
* Lead teams in creating and automating reusable code to accommodate feature changes
* Lead automation test case design and code coverage reviews
* Assist client with mobile browser automation setup using Ranorex
* Collaborate with Development and QA teams in all aspects of automation development
* Collaborate with Development team for continuous integration initiatives using TeamCity
* Provide technical leadership, strategic guidance, training and mentoring to automation test engineers for test automation implementation
* Provide support to local and remote QA teams
* Log and track defects found during test runs
* Document test results and provide test progress/reports to confirm completeness

January 2012 – June 2013 **Institute of Nuclear Power Operations** Atlanta, GA

***Lead QA Engineer*** *(Contractor)*

* Prepare detailed test plans and estimates for testing activities
* Define test strategies for validating back-end system data conversion
* Create test cases to validate required system calculations
* Led and participated in test case peer reviews
* Document test results and provide test progress/reports to confirm completeness
* Distribute regular status reports to upper management
* Review and analyze complex requirements to ensure technical accuracy and completeness
* Work with business analyst, developers, and the product owner to ensure proper testing coverage
* Schedule and track daily testing tasks
* Manage defects throughout the entire lifecycle
* Created and maintained semi-automated excel spreadsheets to ensure requirements coverage
* Created fully automated testing framework using Coded UI and C#
* Leveraged SQL to extract data for required system calculations
* Responsible for creating and executing automated test scripts for regression testing suite

## September 2011 – January 2012 **BB&T** Charlotte, NC

***QA Analyst*** *(Contractor)*

* Participated in integration, system, and user acceptance testing efforts for the Automated Clearing House (ACH), Information Reporting, and Imaging Java web modules
* Created and executed test cases based on requirements, use cases, and technical design
* Communicated test execution status to upper management
* Ensure coverage of requirements through traceability matrix
* Manage the lifecycle of defects using TFS 2010

## June 2010 – September 2011 **AMTdirect** Charlotte, NC

#### QA Engineer

* Responsible for testing Accounting, Real Estate Management, and Reporting web applications
* Evaluated, recommended, and implemented VSTS 2010
* Created test plans and test strategies using Test Manager 2010
* Created and performed manual test cases to validate use case criteria
* Led efforts in creating the test automation framework and standards
* Led test automation efforts on various projects using Coded UI and Selenium WebDriver
* Coded and executed automated test scripts on applicable projects
* Maintained and updated the automation script library for functional and regression testing
* Participated in requirements reviews to help finalize the requirements documentation
* Report, track, and update defect status using TFS 2008
* Attend daily status meetings to update test/automation/defect status
* Performed parallel testing for Usability project to ensure previous functionality
* Assisted in planning UAT effort for high risk projects
* Created and implemented current QA process for production support tickets

## December 2009 – June 2010 **Gilbarco** Greensboro, NC

***Software Tester*** *(Contractor)*

* Performed functional test cases to validate system specifications and point of sale software from third party vendors
* Provided proper training and support for offshore testers
* Executed regression test scripts to validate software version functionality
* Tracked and created new defects using ClearQuest
* Updated software versions for testing purposes according to development builds
* Reported test status with proper documentation to test leads
* Revise test case documentation to incorporate updates

## January 2008 – June 2009 **IAC** Charlotte, NC

#### QA Analyst

* Responsible for testing all .NET web applications
* Developed, implemented, and executed detailed test plans and test cases based on business requirements
* Performed Manual, UAT, Integration, and System testing on various projects
* Created and executed SQL queries to validate data integrity
* Worked closely with the business and development teams in gathering requirements and solving software defects
* Managed defect tracking and defect reporting using Trac (Web-based tracking tool)
* Automated test scripts for Regression and Functional testing using Selenium
* Served as point of contact for hardware and software testing issues
* Served as the support specialist responsible for identifying and resolving software issues
* Responsible for new hire set-up and configuration
* Provided support, configuration/installation, and general troubleshooting of PC/MAC hardware (including laptops, desktops, printers, and blackberry’s) and software issues
* Provided remote PC support
* Assisted with troubleshooting routers and switches
* Set-up off-site cyber lounge for marketing purposes

May 2007 – January 2008 **Strategic Outsourcing Inc.** Charlotte, NC

#### Helpdesk Technician

* Troubleshoot problems with end user hardware and applications for corporate end-users and web based clients
* Maintained and updated the Active Directory
* Reset user passwords using Active Directory
* Evaluated and assigned service requests to the appropriate team member using Siebel
* Logged troubleshooting procedures for training purposes
* Updated documentation for new employee Help Desk handbook
* Participated in company-wide Outlook email conversion from POP to HTTPS
* Assisted in company wide network VPN update

# TECHNICAL SKILLS:

Testing Tools: Visual Studio Test 2017, Coded UI, Test Manager 2010, Rational ClearQuest, TestComplete, QTP, Quality Center, Ranorex, Selenium Webdriver, Eclipse, TestNG, Appium, Postman, Jmeter

Languages: C#, Java, Python, Javascript, VBScript, HTML/XHTML, XML, CSS, T-SQL, PL/SQL, XPath Database Management Systems: Oracle 9i and SQL Server 2018

Technologies and Software Applications: Team Foundation Server, Siebel V 7.8, Microsoft SharePoint, Microsoft Office Products, VersionOne, Netsuite, Subversion, Git, TeamCity, JIRA, Salesforce, Radley, QAD

Operating Systems: Windows 98/2000/XP/Vista/7/8/10, Mac OS, HP-UX

# EDUCATION AND CERTIFICATES:

**edX**

Machine Learning with Python: A Practical Introduction, 2020

# edX

Visualizing Data with Python, 2020

# edX

Python Basics for Data Science, 2020

# Microsoft

## MTA: Database Fundamentals, 2018

### Ranorex

Ranorex Certified Professional, 2014

### Quality Assurance Institute

Certified Software Test Engineer (CSTE), 2011

**Eastern Michigan University** Ypsilanti, MI

Bachelor of Science, Computer Information Systems, 2005