**Manoj Adhikari**

Automation Engineer

**PROFESSIONAL SUMMARY**

* Over **7 years** of Experience in Quality Assurance as an SDET working in various different domains.
* Expertise in the entire **Software Development Life Cycle (SDLC)** and **Test Development Life Cycle (STLC)**
* Strong knowledge in working with **Waterfall and Agile (Scrum) Methodology**
* Proficient in Analyzing Business Requirements, Design Specifications, Use Cases to prepare **Test Plans**, **Test Cases**, and **Test Scripts**.
* Proficient in Manual and Automation testing using tools like Selenium, **HP ALM/QTP/UFT, JIRA, and RFT.**
* Extensive experience in Manual, Unit**, Functional, Integration, Black Box, Smoke, Regression**, System, End-to-End, and **UAT testing**.
* Developed **Behavior Driven framework, Data driven framework and Hybrid frameworks** in different projects
* Experience in Automation and manual using **Java, Eclipse, C#, .Net, Visual Studio,VBScript, JavaScript, Selenium Web Driver, Selenium IDE, Selenium Grid, TestNG, JUnit, NUnit, Specflow, Cucumber, Postman, SOAPUI.**
* Hands-on experience in developing **C#,** **JAVA** and **SQL** queries for various projects
* Experience in Test Management tools using **HP Quality Center**/**ALM, Team Foundation Server,** and **Jira**.
* Experience in using bug reporting tools like **Bugzilla, JIRA** and **Team Foundation Server** to track test progress, execution and deliverables
* Worked in DevOps tools, installing, configuring and integrating Automation scripts on **Continuous Integration** tools **(CI/CD)** like **Jenkins** for nightly test suite execution and working on knowledge on testing and configuring **Amazon Web Services(AWS)**
* High ability in Front-end Testing, System Testing, **Load Runner, Functional Testing, Integration Testing,** User Acceptance Testing, Smoke and Regression Testing of Web-based and Client/Server applications.
* Experience in working with **Off-shore teams**
* Extensive experience in validating **XML** using VBScript in **Quick Test Professional (QTP/UFT).**
* Expertise in SOAP, REST API, **Web Services** testing , Rest Assured/Java for Rest API testing using **SOAPUI**/**POSTMAN**/ **Rational integration tester** (RIT), **Karate framework** tool to validate request and response XML, JSON,SOAP and RESTFUL Web service calls
* Automated **web services** and **API** using **Java** and **C#** with libraries like .**NET HTTPClient** and **Apache HTTPClient**.
* Experience in using build tools like **MAVEN** to manage framework dependency jar files.
* Experience using configuration management tools like **SVN, GIT**.
* Exposure in programming languages and script like JavaScript, HTML, CSS
* Tested the performance of rest **API scripts** and performed the **load testing**
* Experience in working within a **UNIX environment**.
* Strong skills in backend testing. Writing **SQL** queries, generating reports to ensure data integrity and validating business rules.
* Dynamic person with a strong ability to learn new skills. Excellent interpersonal, technical and communication skills.

**TECHNICAL PROFICIENCIES:**

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| **Programming Languages:** | JAVA, JavaScript, VB Script, SQL, C, C++,.Net, Python, C++ |
| **API Testing** | SOAP, REST API, WEB service testing using SOAP-UI, Karate Framework, Postman |
| **Databases:** | MySQL, Oracle, SQL Server |
| **Browsers:** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari |
| **Operating Systems:** | Windows, Mac, UNIX, LINUX, Android, IOS |
| **Defect Tools:** | TFS, HP Quality Center/ALM, JIRA |
| **Utilities/Tools:** | Eclipse, GIT, SVN, Firebug, Fire Path, Putty, WinScp |

**PROFESSIONAL EXPERIENCES:**

**LabCorp, Burlington, NC Aug 2019 – Present**

**SDET/Automation Engineer**

**Responsibilities:**

* Identifying, planning and executing test automation activities in an **Agile/Scrum** environment
* Created test automation scripts for GUI applications, including Java/VB, web services APIs and custom-designed automated solutions.
* Performed manual testing as needed to understand application process and converted to automation test scripts.
* Created and maintained automated test scripts in repository, and continuous delivery pipeline and provide reporting for test execution runs.
* Designed and developed implement test automation framework using automation tools such as **Rational integration tester** (**RIT**), **SoupUI**, **Karate framework/Postman** for API.
* Executed manual scripts and converted in t automated scripts (Services and UI) by using java based **selenium scripting** and **BDD framework**.
* Back end validation of DB2, oracle, big data platforms and SQL server databases.
* Experienced on working with AWS technology.
* Testing the load on the Server for usability of the ETL Tool.
* Reviewed the Product Backlog, Functional Specifications Document, and Technical Documentation
* Used **data-driven frameworks** along with **apache**, **POI libraries** and worked with excel sheets
* Analyzed Business Requirements (User Stories) to develop Test strategy and Test scenarios
* Worked closely with the web application development team to ensure proper integration between the web applications.
* Creating the test plan for performance testing and executing the test strategy on performance testing
* Implemented **Page Object Model Design Pattern** with **Java, Selenium Web Driver**
* Performed **Parallel, UI, Functional** and **Regression testing, Cross-browser compatibility testing** on Chrome, Firefox, IE browsers using TestNG and Selenium GRID
* Performed **Selenium Synchronization** using **Explicit** and **Implicit Waits**
* Used debugging tools such as **Firebug** and **Firepath** for element identification while creating **Page Object Repository**
* Performed Integration testing for the **SOAP** and **REST** web services using **Postman** and **SoapUI, Karate Framework, Rational integration tester.**
* Used **Jenkins** tool for continuous integration of the builds
* Experience in doing performance testing of service using Jmeter (Web: HTTP, HTTPS; Webservices: XML, SOAP; Java based protocols; FTP)
* Reduced build/deploy time by 90% by creating Jenkins scripts to automate code pull from **GIT**, used **Maven** to build war/jar files, configure customized properties files and deploy code to various internal UBUNTU servers or onto other **Amazon Web Servers (AWS)**
* Migrated data from legacy CRM systems in batch or one-time using Data Loader.
* Conducted backend testing using **SQL** queries to validate data for database
* Experienced with reporting tools Tableau and Big Data
* Review the System Test Results with UAT, Business and Developer Team

**Environment**: Java 1.7, Selenium Web Driver, Cucumber, TestNG, Eclipse, SoapUI/Web Services, Postman, Rational Integration Tester, Karate Framework, Big Data, Maven, Load Runner, Jenkins, Linux, JIRA, GitLab, SQL, HP QC, Windows, AWS.

**Central Coast Federal Credit Union, Salinas, CA Aug 2018 – July 2019**

**SDET/QA Automation**

**Project:** Web Application for On-Boarding the Employees and Non-Employees or Contractors

**Project Description:** The project involved the development of the internal EMP(Employee Management Portal) that enables the managers to maintain all employee information pertaining to their hire dates, contract details, contract expiration details, adjust termination dates, manage and track employee requests and build reports for full-time and contract employees. Finally, the reports were prepared to show the modified profiles of employees or non-employees.

**Responsibilities:**

* SDLC methodology followed – AGILE
* Good knowledge of creating test plans, designing test cases and writing test scripts in the manual as well as automation.
* Reviewed the Product Backlog, Functional Specifications Document, and Technical Documentation
* Used **data-driven frameworks** along with **apache**, **POI libraries** and worked with excel sheets
* Interacted with the Project Manager, Business Analysts, and Developers to understand the application design and functional specifications
* Analyzed Business Requirements (User Stories) to develop Test strategy and Test scenarios
* Developed detailed Test Cases based on the test plans
* Worked closely with the web application development team to ensure proper integration between the web applications.
* Performed the Load Runner as a part of performance testing
* Developed automation test scripts for performing regression testing on the application in Quick Test Pro, Test Complete and **UFT using VB Script**.
* Implemented **Page Object Model Design Pattern** with **Java, Selenium Web Driver**
* Performed **Parallel, UI, Functional** and **Regression testing, Cross-browser compatibility testing** on Chrome, Firefox, IE browsers using TestNG and Selenium GRID
* Performed **Selenium Synchronization** using **Explicit** and **Implicit Waits**
* Worked on **Selenium GUI Object/element verification** is done through **XPath, CSS Locators**.
* Used debugging tools such as **Firebug** and **Firepath** for element identification while creating **Page Object Repository**
* Performed Integration, System, Regression, Performance and User Acceptance testing of an application.
* Wrote test cases to handle Alerts on the web page
* Validated the backend tables using **SQL** queries.
* Extensively used GitHub for source control
* Performed manual testing on different mobile devices, including iPhone, IPad, ITouch, HTC, Samsung and LG to ensure the applications’ compatibility against different environments.
* Performed Integration testing for the **SOAP** and **REST** web services using **Postman** and **SoapUI, Karate framework**
* Used **Jenkins** tool for continuous integration of the builds
* Reduced build/deploy time by 90% by creating Jenkins scripts to automate code pull from **GIT**, used **Maven** to build war/jar files, configure customized properties files and deploy code to various internal UBUNTU servers or onto other **Amazon Web Servers (AWS)**.
* Used the HP Quality Center and Rally to store the Test Cases and the Test scripts implemented in **UFT** were checked into **HP Quality Center**.
* Launched QA/DEV/Demo/Pre-Prod environments using **AWS**. Configured OS, size, firewall, VPN, IP and added third party or custom applications. Ensured services were up and running.
* Conducted backend testing using **SQL** queries to validate data for database
* Review the System Test Results with UAT, Business and Developer Team

**Environment**: Java 1.7, Selenium Web Driver, Cucumber, TestNG, Eclipse, SoapUI/Web Services, Postman, Oracle 12g, Maven, Jenkins, Linux, .Net, JIRA, Rally, Big Data, Load Runner, Tortoise SVN, SQL, UFT, HP QC, Windows, AWS.

**IBC Bank, Laredo, TX May 2016 – Jun 2018**

**QA Automation/SDET**

**Project Description**: International Bank of Commerce is a state-chartered bank owned by International Bancshares Corporation headquartered in Laredo, Texas. The goal of the project was to test the IBC-Auto Online application, which helps customers to view the status of auto loans including principal balance, interest paid, and payment due date, amount and the account history details.

**Responsibilities:**

* Participated in the daily scrum standup meetings and other ceremonies
* Participated in the business requirement review meeting
* Ensure adherence to QA Test Automation processes and standards
* Lead and defined QA strategy for automation testing both for sprints and increments
* Estimated testing efforts, prioritize projects, plan implementations and help rollout changes
* Performed various kinds of testing such as **Sanity, Functional, Negative, Regression, System, Integration, End to End** and **Backend testing**
* Performed feasibility for manual test cases to be automated using **Selenium WebDriver**
* Created reusable scripts in **C#** using **Selenium WebDriver**, and **NUnit**
* Maintained an automation framework in **Selenium WebDriver** and **NUnit** using **Behavior Driven Development (BDD)** approach like **Specflow** with **Gherkin**
* Implemented **Page Object Model** Automation framework with **C#**, .Net, **Selenium WebDriver**
* Involved in writing test scripts using **C#** and executed it through **Selenium WebDriver** for **Functional** and **Regression testing**.
* Implemented **Selenium Synchronization** for **Conditional** and **Unconditional waits** using **Implicit Waits** and **Explicit Waits**
* Formulated **C# Selenium script** for capturing **screenshot** and used **Actions** class to perform **mouse** and **keyboard events**
* Uploaded all QA test documentation into **HP Quality center**. I created a test plan and test lab folder structures and setup requirement tree matrix linking them to specific test cases.
* Used **Apache POI** for retrieving data from Excel Files
* Performed browser compatibility testing using **Selenium Grid**
* Involved in **REST API** and **web services** automation testing using .NET HttpClient.
* Performed utilizing **XML** for **SOAP** validation and troubleshooting
* Performed manual testing for **APIs** using **POSTMAN**
* Created happy path **SOAPUI/Selenium** test cases to be run as part of sprint **CI/CD** pipeline
* Attended daily defect triage meetings
* Used **HP ALM** as a test management tool, creating a test case, execution and defect management

**Environment:** C#, .Net, SOAPUI, Visual Studio, Selenium WebDriver, NUnit, Selenium Grid, log4j, Apache POI, HP ALM, Postman, MySQL, TOAD, Windows, Unix, XML, JSON, SVN, Agile Scrum, Jenkins

**Alameda Health Systems, Oakland, CA Jul 2014 – Feb 2016**

**Selenium Automation Engineer**

**Project Description:** The project was an enhancement of the web application for the new and existing patients. This application provides a way to access individual subscriber’s accounts, check their health manager, available wellness and benefits plans and also various services linked to the physician, available locations and nearby pharmacies. It also gave a facility to maintain its web profile and manage the automatic payment system and billing. There was a benefit confirmation statement for the subscribers to review, download, or print and also they could review and update personal information for themselves and their dependents.

**Responsibilities:**

* Followed **Agile Methodologies**, **Scrum** meetings and Software Quality Audits for all the phases of SDLC.
* Interacted with Business Analysts and Developers in requirement analysis, design document analysis and bug reviews in an agile environment.
* Performed Smoke, Functional, Regression, Positive and Negative testing manually.
* Configured and Installed **Selenium Web Driver**, **TestNG**, **Maven** and **Jenkins** for Continuous build cycles.
* Extensively worked on regression and functional testing, developed **Behavioral Driven Development (BDD)** and **Test-Driven Development (TDD)** script using **Cucumber**.
* Managed a team and tracked and coordinated the QA milestones.
* Worked on distributed test automation execution on different environments as part of the Continuous Integration Process using **Selenium Web Driver** and **Jenkins**.
* Worked closely with QA Automation Architect to implement, maintain and improve the Selenium test script in the POM automation framework.
* Integrated **TestNG** with **Selenium** using **Eclipse** to generate test execution results.
* Used **Selenium Web Driver** API to automate tests on the cross-browser and cross-platform environments.
* Responsible for setting up and testing the **Restful Web Services** using **SOAPUI** and **Postman**.
* Involved in developing and executing automation Regression testing and System testing using **Selenium Web Driver**.
* Wrote and Executed the **SQL Queries** and analyzed **stored procedures** as part of the back-end testing.
* Executed test scripts, analyzed test results, and report identified problems/bugs using defect tracking tool **JIRA**.
* Trained new userson **FireBug**, **FirePath**, **XPath**, and custom automation framework test execution and maintenance.
* Generate data requirements and system specifications in an organized fashion for business solutions and for the developers to follow on.
* Updated the status of the testing to the QA manager, and accomplished tasked for the assigned work to the Project Management team regularly.
* Performed daily **bug triage** to make sure high priority bugs are resolved within the SLA.

**Environment:** Selenium WebDriver, TestNG, Java,.Net XPath, Git, HTML, XML, Jenkins, Maven, Web Services, HP ALM, Postman, JIRA.

**Stage Stores Inc., Houston, TX Aug 2013 – May 2014**

**QA Analyst**

**Project Description:** The project was to create a new improved version of Stage Stores’ online store to increase online sales and promote new products. I was in charge of creating the framework to test customer registrations, orders, and daily deals and promotions. I also participated in the analysis of the system requirements, and test plan and test strategy development.

**Responsibilities:**

* Participated in Business Requirement and Technical Design document review meeting
* Identified and created Test Cases based on the requirement documents
* Performed **manual testing** and **Front-end web-based Functionality testing, Smoke testing, Regression testing, Integration testing,** and **System testing**.
* Wrote automation scripts using **C#** and implemented them using **Selenium WebDriver**.
* Wrote step definition using **Specflow** for **BDD** based approaches.
* Used **Quality Center** as an end to end test management tool – creating test cases, execution, maintaining traceability of test cases to requirements and defect tracking
* Created Test Strategy document for the project
* Involved in creating the Traceability Matrix based on Functional requirement in each module
* Reported all defects found during testing in **Quality Center**
* Reviewed open defects with the project team on the Defect Triage calls and made sure defect life cycle is followed
* Coordinated user acceptance testing with business analyst
* Communicated with developers through all phases of testing to prioritize bug resolution using the quality center
* Prepared and Presented weekly and monthly QA Defect and Status Reports to the different stakeholders of the project using Quality Center
* Expertise in generating the daily defects and execution detailed report using Quality Center for other projects stakeholder and project management

**Environment:** C#, UI-path,Visual Studio, HTML, Oracle 9i, Specflow, BDD, Gherkin, SQL Plus, Windows XP, HP QC 10.0, MS Office, SVN

**Sprint, Overland Park, KS Feb 2012 – Jun 2013**

**Manual QA Tester**

**Project Description:**  Sprint is a leader in delivering broadband and other wireline and wireless communication innovations to mass market, business, government, and wholesale customers. We revamped the entire online bill payment application using the latest Java/J2EE technologies. Users (Residential & Commercial) can create their online profile, view the services & features enrolled, view and pay for the bill and also set up bill payment options like AutoPay using Credit Card, Check, Debit Card or pay manually.

**Responsibilities:**

* Attended daily Scrum stands up meetings.
* Worked with technical leaders and architects to understand the requirements for a test environment setup.
* Performed Client/Server systems testing or Front End UI and backend (DB validations) Channel testing
* Participated in weekly project status meetings and updated the testing Progress.
* Verified requirements coverage by conducting walkthrough meetings of Test plans and scenarios with business analysts, project managers, and test supervisors.
* Created **Test plan**, **critical scenarios**, and **Test Scripts** and schedule for testing.
* Created a **traceability matrix** and mapped requirements to Test Cases.
* Executed test cases manually to verify the expected results.
* Created scripts for **Regression, GUI, Integration, batch testing and Database testing**.
* Interacted with developers and management to identify and resolve technical issues.
* Performed **Smoke Testing** before each software load to make sure all the Test setup and Test Environment is working as desired.
* Performed back end testing using **SQL queries** and created **SQL scripts** to test the stored procedures by sending different sets of input parameters.
* Written, executed Test cases, and documented defects in the **Jira**.
* Solved day to day problems of the team arising due to functionality and validation issues.
* Analyzed root cause for defects and documented them accordingly.
* Managed software defect information, interacted with Business users to fix the severity and priority of issues.

**Environment:** Jira, Java, SVN, Maven, eclipse, MS Office, UNIX, MS Excel, PL/SQL and Oracle 8.1, Agile Methodology.