**Vineela Vuyyuru**

**Sr.QA/Selenium Automation Engineer**

**Phone: 510-388-4422**

**Email:** [**vineelavuyyuru123@gmail.com**](mailto:vineelavuyyuru123@gmail.com)

**Professional Summary**

* Over 8 years of experience in **Software development** and **testing** including Automation and Manual testing using **Selenium** and **QTP**. Expertise in **Selenium WebDriver** Automated testing & Frameworks, **Page Objects & Hybrid Frameworks**, TDD, BDD, Web testing and Functional testing.
* Experience with **Black box testing, White box testing, Unit, Smoke, Integration and Regression testing**, **Functional** and **Non-Functional testing**, **Exception Handling** and **User AcceptanceTesting** of dynamic **web-based applications.**
* Knowledge of web and database scripting languages such as **JavaScript, Java, SQL, PL/SQL, HTML, XMLetc**.
* In depth experience setting up , maintaining and enhancing **CI** tools, particularly Jenkins.
* Experience in testing Web Applications, Mobile Applications Testing (**Native App, Hybrid app**, Web and SMS), Web services/message testing, and Client-server applications.
* Strong Database (**Oracle, SQL Server** and **DB2**) testing skills using **SQL** and **PL/SQL**.
* Expertise in writing Selenium Webdriver automation scripts in Java for Cross browser testing.
* Extensively used **Soap UI** to validate **Soap/WSDL** and **Web services**. Experience with working in scripting languages such as **SQL, Java Script, VB Script, HTML and XML**. Good hands on experience in dealing with various Data sources like SQL Server 2000/2005, MS Access, Excel.
* Experience in using **Selenium Webdriver**, Eclipse, Java and **TestNG**, test frameworks in creating test scripts, test suites and HTML reports.
* Experienced in Automated Testing using **Selenium, protractor, QTP, WinRunner and LoadRunner.**
* Experience in CI/CD integration testing on the Devops principles.
* Excellent knowledge in writing .feature files using **Gherkin and Jenkins** for **cucumber** and wrote **Junit suite** to run feature file in **Eclipse**.
* Used **SQL** Queries for data validation/verification Back-End testing in **Oracle, SQL database servers**.
* Automated regression test cases using Jenkins build jobs, **Selenium IDE, WebDriver, TestNG** and **Maven**.
* Experienced in software development life cycle (**SDLC**), Defect life cycle management and different methodologies like **Agile, Waterfall and Scrum.**
* Experience in **configuring** and maintaining Defect Tracking system and preparing project reports for end-to-end testing using tools like **QC/ALM** and **JIRA**.
* Much Experience in using **Firebug** and **Fire path** of Mozilla Firefox in built tools.
* Experienced in using Test Management tools such as **TFS, Rally, JIRA, Bugzilla**, **Clear Quest** and **Quality Center (ALM)** bug reporting tools to track test progress, execution and deliverables.
* Involved in performance testing in creating virtual users and **testing load, stress, database** tests using **Load Runner tool**.
* Extensive experience in **analyzing requirements**, writing **Test Plans** and **Test Cases** for positive and negative testing, using test techniques like **boundary value** and decision table, generating the Test Reports using generic functions, building the Test Environment.
* Hands on experience in creating test frameworks using **Selenium Webdriver, Selenium RC, UFT/QTP,Cucumber, Maven and TestNG including hands on experience in Java/SQL.**
* Excellent in interpersonal skills, proven team player delivering under high stress environment with resources constraints. Worked on voice tone platform and both **INBOUND** and **OUTBOUNDIVR** applications.
* Identified correct **GUI** elements using various Selenium Locators like ID, Name, Link Text, and Partial Link. Text, **XPath** and **CSS** to find the Web Elements using selenium and creating automation scripts.
* Hands on experience in using build and project management tools like **Ant, MAVEN** and Configuration management tools like **SVN**, **GIT**.
* Strong working experience on Agile Methodology.Experienced in Continuous Integration using **Jenkins**.
* Experienced in creating Test Plans, Test Cases, Bug Reporting and Tracking.
* Developed test suite for all the Web service operations in the **SOAP UI** test tool.
* Performing Cross-Platform, Functional, Regression testing, UI testing for mobile app using **Appium** test automation framework.
* Excellent knowledge of business process domains such **Finance, Manufacturing,Procurements, Supply Chain, Web-based Supplier Collaboration.**
* Excellent knowledge of **Microsoft Office** products such as Word, Excel, PowerPoint etc.

**Skill Set:**

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| --- | --- |
| Testing Tools | Selenium Web Driver/RC/IDE/GRID,HP Quick Test Pro (QTP/UFT) 11, Quality Centre/ALM 11, Load Runner 11,JUnit, Cucumber, Hudson, TestNG, Web Services, Finesse, Xamarin, SOAP UI,ITKO Lisa, Spec Flow, Smoke Testing, Coded UI, Appium, Jenkins, Maven, ETL, Video testing. |
| Language/ Script | Java, JavaScript, Shell Script, Unix, Linux, VBScript (UFT), C, C++, C#. |
| Test Frameworks | JUNIT, NUNIT, TestNG, Protractor, Karma, Data Driven Framework, Keyword Driven. |
| Firefox Add-ons | XPath, Firebug, Fire Path. |
| Web development | HTML, CSS, JavaScript, JQuery VB Scripts, XML, Flash, Xpath, AJAX, WSDL, JSON and REST. |
| SOA Technologies | SOAP, REST, WSDL, UDDI, Web Services, SOAP UI. |
| Bug-Tracking Tools | BugZilla, JIRA, Mantis, Element tool, Rally, HP ALM/Quality Center, Clear Quest. |
| Build/Continuous Integration Tools | ANT, Maven, Jenkins, Hudson, Bamboo. |
| Databases Technologies | MS SQL Server 2000/2005, OLAP and OLTP, Oracle 9i/10g, MS Access 2000, TSQL, Oracle PL/SQL, SQL\*Plus, SQL\*Loader, MYSQL, DB2. |
| Platforms | Windows 7/Vista/XP, UNIX, LINUX, MAC OS X. |
| Mobile Platforms | IOS, Android OS, Windows Phone. |
| QA Methodologies | Agile, Scrum and waterfall, V-Model, BDD, TDD. |
| Version Control | Git, SVN, CVS, TFS. |

**Professional Experience:**

**Client: Medtronic Navigation Inc. Louisville, CO** **Nov 2015 –Till Date**

**Role: Sr.QA automation Tester/Manual tester.**

**Description:**

Remote Patient Management System is a web and mobile based application that will help Medtronic’s clinicians to manage patient’s medical devices remotely. This application helps clinicians gain more value from their medical devices to view patients physiological information remotely and receive updates and alerts on any web-enabled devices. Performed Integration, Functional and Regression testing on various modules in the application.

**Responsibilities:**

* Extensively involved in all stages of testing life cycle, Test Driven Development methodologies, Software Development Life cycle (**SDLC**) using **Waterfall**, and **Agile** methodologies.
* Wrote and executed **TDD** (Test Driven Development), managed test data and utilized test data management techniques.
* Skill in designing solution for CI/CD pipelines
* Involved in all the phases of**Manual Testing** process and worked closely with Business stakeholders.
* Involved in writing the Unit Test Cases using **SQL**. Involved in Performance tuning of the existing **SQL** and **PL/SQL** Queries
* Designed solution for CI/CD pipelines
* Developed external custom functions using **VBScript** and using Descriptive Programming for **QTP**.
* Cleansing data generated from weblogs with automated scripts in **Python**.
* Performed Data driven testing using**Selenium** and **TestNG** functions which reads data from property and XML files.
* Extensively worked on **Hudson/Jenkins** and **Bamboo CI** for continuous integration and for End to End automation for all build and deployments.
* Manually performed Back-End testing by writing **SQL** queries and validating the database using Complex **SQL** Joins and Functions.
* Programming knowledge in **Java Script.**
* Work with **Jenkins, Maven**and CI tools to automate, build, deployment and testing.
* Involved in Designing & developing data driven framework using **Selenium Web Driver**, Testing and implemented Java Mail to send the regression result automatically.
* Involved in Automation of the test cases using **Selenium Web Driver**, Junit Executed regression test procedures and automated test suites and scripts.
* Developed and updated the automated regression suites in an**UAT** environment using **Selenium Web Driver.**
* **Installing and administrating CI tools like Jenkins, Git, Perforce and Artifactory.**
* Wrote business logic code in **C#** code behind files to read data from databases stored procedures.
* Unit Test **Python** library was used for testing many programs on **python** and other codes.
* Scripting the test cases for regression using **Selenium Web Driver** using Java.
* Involved in validating functional, Integration and Regression test suites using **Selenium**, **Cucumbe**r and the request and response of the Web Services (**SOA**) through **Soap UI**.
* Sole performance of **API** testing with different sub-systems as a part of Back-end test.
* Worked closely with front-end engineer to design and tweak **Restful API** used by the frontend.
* Extensive use and knowledge of automation tools such as **SeleniumWeb Driver**, **Appium** and **Soap UI.**
* Designed and documented **REST/HTTP** APIs, including **JSON** data formats and API versioning strategy.
* Added Property Transfer in **Soap UI** tool to transfer the values from one response XML to another request **XML.**
* Developed automated testing suite in **Soap UI** for **Rest API** testing.
* Created Page Object Model Mobile automation framework on both IOS and for Android using **Appium**. Extensively worked on Cucumber with the preferred Languages **Java**.
* Helped in performance testing for API using **JMeter**, by writing and running the performance test, collect data, and generate reports.
* Scripting the test cases for regression using selenium Webdriver using java. Used Test data set, data reader, data view to read data using **ADO.NET** objects.
* Sole performance of **API** testing with different sub-systems as a part of Back-end test. Restful Web Service testing using Http Client **Java** library.
* Prepared **LoadRunner** scenarios for Load and Performance testing using different host systems.
* Rational **Clear Quest** used for Defect tracking, associating requirements, Document Modification.
* Executed multi-user performance tests, used online monitors, real-time output messages and other features of the **LoadRunner** Controller.
* Developed metrics dashboards and advanced filters in **JIRA** to provide end-users and business leadership with performance metrics and status report.
* Customized **ALM**modules and supported user export process into **ALM**Defects, Test Plan, and Requirements.

**Environment**: Quality Center (QC)/ALM, QTP/UFT, Selenium Web Driver, BDD, TDD, Agile Methodology, Cucumber Eclipse, J Unit, Maven, Jenkins, SVN, TFS, Appium, Soap UI, BDD, HTML,XML, (SOAP & RESTFUL), Java, Python, JavaScript, J Meter, TestNG, JIRA, Clear Quest, Load Runner, Firebug, SPIRA, SQL, PL/SQL, Windows.

**Client: Care first, Cumberland, MD Oct 2014 to Oct2015**

**Role: Senior QA Analyst & Manual tester.**

**Description:**

The main goal of the project is to provide the insurance experience simpler, easier and better for everyone involved by delivering practical and innovative solutions that meet unique customer needs. Application involved the quotation tool and also allowed customers to purchase the insurance online after selecting the insurance plan, pricing and location details.

**Responsibilities:**

* Extensive experience working with **Waterfall/V Model** and **Agile**Methodology.
* Proven ability in developing **BDD/TDD** scripts with Cucumber and writing step definitions for behavior.
* Involve in writing **Test Plans** and **Test Cases** based on the Business requirement documents.
* Execute and run both **manual, white box, Gray box testing.**
* Preparing test data for the Enter and Exit criteria in **Integration testing.**
* Working with the **functional regression** and **end to end** and operational readiness testing.
* Having a good knowledge of the **requirements,functional**and **technical documents and converts them into test scripts.**
* **Orchestrated the CI/CD life cycles for several new & existing modules using Jenkins.**
* Developed and executed **SQL** queries to verify the proper insertion, deletion and updates into the Oracle supporting tables and cubes.
* Worked with **Jenkins** that was used for continuous integration and build generation developers.
* Wrote **Python**scripts to parse **JSON** documents and load the data in database.
* Involve in **BackendTesting** writing complex **SQL** queries and sub queries for database testing.
* Performed back-end testing using **SQL** queries to validate the data in the back-end **NoSQL Server**.
* Design, Development, Execution & Review of automation Frame work & script using **HPQTP** **10.0.**
* Setting up continuous Integration environment with **Jenkins**and **QA**automation test framework.
* Developed test scripts to automate process of testing in **Selenium Web Driver**.
* Create Automation Test Scripts in **Selenium Web Driver** and involve in Automation Infrastructure development.
* Developed entire frontend and backend modules using **Python** on Django Web Framework.
* Developed and maintained automated regression test cases in **Selenium Web Driver** using **Java** programming Language.
* Worked with **WSDL** document and **SOAP** protocol while working with Web service. Developed and Maintained portal using **ASP.NET, C#.**
* Performing **Web Services testing** and **XML validation** by creating test case suite using **Soap UI.**
* Performed **SOA** testing using **Soap UI** and Java framework for Web Services testing.
* Creating Test **Suites** to do **Functional** and **Data Driven Testing** on the **Web Services.**
* Used **ANT** to build and run the **Selenium** automation framework. Verified data integrity through backend.
* Used **Jenkins** for **Continuous Integration (CI)** and deployment into Tomcat Application Server.
* Creating **Traceability matrix** to match the requirements with the test cases using Microsoft excel.
* Prepared **LoadRunner** scenarios for Load and Performance testing using different host   
  systems.
* Used **Jenkins** (CI and CD) for continuous integration of test automation scripts
* Helping Scrum master across the company to customize**JIRA** for their requirement.
* Using **LoadRunner**, execute multi-user performance tests, used online monitors, real-time output messages and other features of the **LoadRunner** Controller.
* Reported defects into **Bugzilla** tracking database.

**Environment :** Selenium RC/IDE/Web Driver, Quality Center (QC)/ALM, QTP/UFT 11.5, Agile, BDD, TDD, Cucumber, Jenkins, J Unit, Smoke Test, TestNG, J Meter, Load Runner, Appium, Soap UI, TFS, SVN, Eclipse, XPATH, Firebug, Fire path, JIRA, Python, Java, HTML, XML, SQL Server 2012, Linux, SQL, C# Soap UI, Oracle, Java, Java Script, HTML, Python, XML, Linux.

**Client: T – System Inc., Dallas, TX** **Oct 2013 to Sep 2014**

**Role:  QA Tester**

**Description:**

The T-System Electronic version (TEV) provides the services in emergency departments of the Hospitals. The product ‘T-System EV’ is the leader in emergency department clinical business and IT solutions, offering point of care tools to streamline processes and improve workflow efficiency. The ‘T-System EV’ is comprehensive point-of-care emergency department application. More than 240 hospitals are provided the services of the product ‘T-System EV’ as their ‘EDIS’ solution. The ‘T-System EV’ Tracking Module makes patient management more efficient by monitoring patient location and status from anywhere in the ED.

# Responsibilities:

* Followed **Agile testing methodology**, participated in daily **SCRUM** meetings and testing each **SPRINT** deliverables.
* Designed and implemented different automation frame works (**TDD**) from starch like **Data Driven framework** and **Hybrid framework** in different projects**.**
* Automated the build process to create the installers from **TFS**, so that team can build their installers whenever the code changes.
* Used **Jenkins/Hudson** to perform single click Continuous Integration Automation.
* Implemented CI and CD for database using Liquibase, **Jenkins** and Udeploy.
* **Experience**d in conducting different types of testing including **Black Box** Testing, **GUI** Testing, Data Driven Testing, **Back End Testing**, **Integration, Regression, Sanity, Functional and System testing.**
* Worked for creating **Test Plans**, **Test Cases**, **Test Scripts** and entire Testing process. Created Web pages using **Angular JS** and did performance testing using **JMeter.**
* Implemented an automated deployment process using **Jenkins** and **Git** that we use for deployments our staging and QA environments.
* Created **Python/MySQL** back-end for data entry from Flash. I had to assist the Flash developer send the correct data via query strings.
* Designed front end and backend of the application using **Python** on Django Web Framework
* Wrote **PL/SQL** Queries to retrieve the data from various Tables and to test the database.
* Performed the **Back-End integration** testing to ensure data consistency on **front-end** by writing and executing **NoSQL** statements.
* Generated property list for every application dynamically using **python.**
* Actively involved in **SDLC** and **STLC** process and used tools like **ALM, SeleniumRC/Web** driver, **JMeter**, **Soap UI,** and **Visio.**
* Developed **BDD** Automation Framework using **Cucumber** tool and developed Feature files which includes Features, Scenarios and Step Definitions.
* Worked with the Web programming language **HTML5, CSS3, XML** and selected web element by using **Firebug** and **Fire Path.**
* Involved in **Regression** and **System testing** of the application using **QTP/UFT 11.5**.
* Responsible for implementation of **Hybrid Test Automation Framework** build using **Selenium,J Unit** and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Extensively used Selenium **IDE** to record, playback and debug individual test cases, using **Selenium Web Driver** provided more flexibility in automating test cases
* Designed data-driven testing **framework** in **Selenium** and captured data dynamically from **web controllers.**
* Used **Soap U**I tool to test **SOA** based architecture application to test **SOAP** services and **REST API**.
* Developed Automation Scripts for **Regression** using **Selenium Web Driver** and **Java**.
* Used Rational**Clear Quest** to log the defects that were found during test execution.
* Analyzing the defect when reported by going through the Web API logs and then submitting them in **TFS**.
* Fix **XML** bugs on the daily basis, and verify fixes in a variety of browsers, applications, and devices.
* Expertise in generating Virtual User Scripts and Load Scenarios using **JMeter** and **LoadRunner** for different transactions to execute Load Testing and Stress Testing.
* Reporting, tracking, and determining the priority of reporting bugs in **JIRA.**
* Experience in using Defect management systems such as **HP ALM** (Quality Center).
* Successfully rolled out **Agile** Strategy Mapping approach, a key technique in agile transformation.

**Environment :** Quality Center10/11, Quick Test Professional (QTP)/UFT 10.0, Selenium IDE/Web Driver, BDD, TDD Cucumber, Agile Methodology, Load Runner SQL, Jenkins, TestNG, JIRA, Soap UI, SOAP, WSDL, C#, Java, HTML, Python, XML, Bugzilla SQL, Oracle, Java Script, HTML, Python, XML, Linux.

**Client: First Bank and Trust, Springfield, IL. April 2011-Sep 2013**

**Role: QA Automation Engineer**

**Description:**

Application facilitates corporate clients to make Payments, ensure effective Cash Management, keep record of Account Balances, and manage Liquidity in terms of Cash Concentration and Pooling, Manage and Control Accounts. Web finance is a web-based system used by Retail Services Merchants to support Credit applications, authorizations, and Settlement processing, Dual approvals for Power sports merchants, Online Contracts and dealer sign off and many more.

**Responsibilities**

* Involved in writing and executing detailed Test cases, Test plans and Test design documents.
* Identified test cases to automate. Automate those test cases using **Selenium RC, Junit** and Java (7Eclipse IDE) contributed in framework creation.
* Efficiently and effectively work on projects for Salesforce.com, providing timely, detailed solutions, helping to streamline business processes
* Developed Automation Scripts, Execution and Analysis Test Results using a Hybrid Framework in **Selenium RC.**
* Expert in UNIX Shell Scripting.
* Set used an test environment for client server based using Set top Box on Windows 98/2000 and **Linux** platform.
* Responsible for estimating required resource and components for **SOA** testing
* Customized and enhanced the Test Scripts defining various Checkpoints, Synchronization points, Input value, Output value, Parameterize Test, Define Regular expressions, Recovery Scenarios, Optional Steps using **HP UFT QTP .**
* Created test planning and participated in execution for **API** testing using Test harness tool.
* Implemented Modular Frame work for **Selenium RC** scripts using Java in Page Library model.
* Developed a Data Driven Framework using **Selenium RC/IDE.**
* Performed Functional testing of modules, Tracked defect in **Bugzilla**, assigned them to appropriate development team and follow up with them till closure.
* Performed functionality and regression testing during the various phases of the application using **Selenium RC.**
* Automated suitable test cases for Regression Testing using **J Unit** for back end automation.
* Involved in creating automation test suites for progression & regression testing in **SOAP UI**. The messaging formats included **SOAP** over **HTTP&REST** based clients with **XML** payload.
* Identified Test cases based on the requirements, participated in implementation of Test Cases, and Test Script according to the Business Requirements, System Requirements.
* Tested request and response XML's based web services interfaces using **Soap UI.**
* Created Requirement Traceability Matrix and also updated the Requirement traceability matrix timely with the changes in HP **Quality Center**.
* Involved in providing the efficient locators strategy like XPath and CSS to run **Selenium RC** script in stable condition.
* Used **JIRA** for Bug Tracking, Bug fixing, and Bug Reporting.
* Involved in the Database Testing using **SQL** Quires of the Application like checking all the Tables in the Database and checking whether the data is moving in their Respective Tables.

**Environment:** Quality Center (QC)/ALM, QTP/UFT, Selenium Web Driver, Agile (Scrum), J Meter, SQL, Soap UI, Oracle, Java, Java Script, HTML, Python, XML, Linux.

**Client: NBT Bank, Norwich, NY Oct 2009 to Mar 2011**

**Role: Senior Test Engineer**

**Description: An Online Credit Approval System.**

This application enables the customers to access their various accounts through this Web Site. The application enables the credit cards account holders to enter ‘Login ID’ to access and perform financial calculations on their various personal and institutional accounts. Customers can track charges and payments before they receive their statements, Pay their bills, Review past statements and Check Membership Rewards points balance.

**Responsibilities:**

* Attended Review meetings to discuss Use-Cases, Business Rules, message rules, alternate flows and exceptions paths.
* Developed Use Case driven test scripts using Mercury’s Quality Center.
* Reviewed Supplements Specs and Business Documents for Use Case Entitlements.
* Involved in identifying the test cases that are affecting the basic and major functionality of the application in order to Smoke Test the application.
* Extensively used Quality center to manage and execute test scripts.
* Interacted with the project team to assign priority to Projects based on dependency and criticality.
* Created automated VB scripts using QTP.
* Attended meetings with logical data modelers to enhance knowledge of Back-end Testing, like acquiring the data from different data bases by using Informatica.
* Written SQL queries using TOAD to unit test and developed code base.
* Assisted in documenting screen mock-ups in HTML and designing of applications.
* Constructed test data in excel for system testing.
* Generated test data for automation scripts in Excel.

**Environment :** Quality Center10/11, Quick Test Professional (QTP)/UFT 10.0, Selenium IDE/Web Driver, BDD, TDD Cucumber, Agile Methodology, Load Runner SQL, Jenkins, TestNG, JIRA, Soap UI, SOAP, WSDL, C#, Java, HTML, Python, XML, Bugzilla SQL, Oracle, Java Script, HTML, Python, XML, Linux.

**Client: Nationwide Insurance, India June 2008 – Sep 2009**

**Role: Manual Test Engineer**

**Description:**

Nationwide Insurance is an online web based application providing Insurance and Financial Services to the customers. This application has several modules like Homeowners, Life, Claims and Boat Owners insurance modules. I was involved in testing the Auto Insurance Module. This Online application allows the customers to register on their online web site to receive the Benefits and provide access to Pay insurance bills and view their insurance policies and quotes. With this application customer can also request policy documents, such as auto insurance ID card, review the status of insurance bill, access to saved insurance rate quotes, free online bill pay.

**Responsibilities:**

* Responsible for writing Test Scripts, Test flows and Test Performance documents, using MS Word and MS Excel.
* Involved in implementing QA methodology and Test Metrics.
* Expertise in Smoke Testing for overnight builds and reported the critical issues to the developers.
* Involved in documentation as to how to maintain and run scripts for future enhancements
* Prepared a detail test schedule and test metrics on a weekly basis to know the status of the application.
* Interacted with users for execution of test cases in **UAT**.
* Constantly involved in the team to adopt QA Testing Standards. Logged and Traced defects using Test Director.
* Attended weekly status meetings showing progress and future testing efforts.
* Detect defects, communicated to the developers using bug reporting tools and tracking the defects.
* Actively attend meetings with fellow testers and other groups to evaluate the progress and performance of the application.
* Good Experience on **Selenium IDE** and creating Scripts in selenium-RC by using Java.

**Environment:** JAVA, Manual Testing, Agile testing, JavaScript, Shell scripting, XML, SQL, PL/SQL, Oracle, and Windows.

**Education Details:  Bachelor’s (CSE)-2007 From - JNTU.**