**T. Harshitha**

**Sr. Selenium QA Engineer**

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**PROFESSIONAL SUMMARY**

* 8+ years of experience in IT industry as an Automation Test Engineer.
* Extensive experience in analyzing, reviewing and understanding of Business/Functional & Testing requirements and writing Test Plan, Test Strategy, Test Scripting, creating Test Scenarios, analyzing results and preparing result summary report.
* Expertise in developing, documenting, and executing test cases manually as well as generating automated scripts using Selenium.
* **Worked on Insurance, Finance and Healthcare applications. Automation skills in both UI and service level Experience in Selenium IDE, Grid. Experience in Selenium Web driver.**
* Worked on **Web Services testing using Selenium IDE, and Selenium RC Server, Web Driver, Testing and Junit.**
* Good knowledge of the basic RF parameters and signal flows (frequency, power-level, modulation methods, channel widths, signal losses etc.)
* Extensively involved in writing automation for Functional testing and Regression testing
* Proficient **in Java** and have sound knowledge on **OOP (Object Oriented Programming)** concept like polymorphism, encapsulation
* Excellent testing skills with an urge to find hidden bugs.
* Strong knowledge in object oriented analysis and design of **PERL**.
* Have good experience in developing Perl scripts to verify functionality and performance of the modem chipsets for all modes of UE.
* Expertise in generating the reports from the logs using **PERL scripting**.
* Have good debugging skills to fix the issues in Perl scripts.
* Experience in designing AngularJS: directives, expressions, filters, modules, and controllers.
* Ability to analyze RF signals, interference and isolation techniques.
* Ability to document and track defects as well as produce detailed reports using defect tracking tools such **as JIRA**.
* Writing Perl test cases and validating various functionalities of **DualSimDualStandby (DSDS) TripleSimTripleStandby (TSTS) and DualSimDualActive (DSDA) chipsets.**
* Extensive experience in coordinating testing effort, responsible for test deliverables, status reporting to management and issue escalations.
* Good knowledge on Networking.
* Performed Smoke testing, Functional Testing, System Integration Testing (SIT), Regression Testing and User Acceptance Testing (UAT)
* Experience in Telecommunication services.
* Have strong programming skills in writing/maintaining **SQL for Oracle database** backend.
* Experience in testing database applications of **RDBMS in Oracle, My-SQL and SQL Server** by executing **SQL Queries**.
* Having good command on cable protocol.
* Excellent communication and interpersonal skills with clear understanding of business Processes and ability to work as a part of team or independent.
* **Experience in -Defect Tracking, Report Generation, Exporting and Importing of Test Cases in Excel format, Preparation of Requirement Traceability Matrix, Generation and Execution of scripts**
* Experience in System, Functional, Integration, Regression and User Acceptance testing.
* **Experienced in Database Testing using interfaces like TOAD and SQL Navigator**
* Develop complex SQL queries to find test data and the data needed by test cases.
* Attention to detail and ability to work in tighter schedules and on different applications concurrently.
* Ability to work in a team environment. Strong communication and interpersonal skills. Ability to interact with customers with ease and professionalism
* Interacted with Business users regarding Business Requirements.

**TECHNICAL SKILLS**

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| **Testing/Test Management /Defect Management tools** | Selenium 2 Web Driver/RC/IDE/Grid, HP Quick Test Pro (QTP) 11, Load Runner 11, JIRA, Quality Center/ALM 11, Clear Quest, SOAP UI |
| **Web Browsers & Servers & Operating Systems** | Microsoft Internet Explorer, Netscape Navigator, Mozilla Firefox, Opera, Tomcat, Web Logic & Windows, Linux, Unix |
| **Modeling Tools** | MS Visio, MS Project, UML |
| **Database** | Oracle R12, MS Access, DB2, SQL Server 2008 |
| **Microsoft Tools** | MS Office, Eclipse, UML, Rational Rose, Adobe Acrobat, MS Visio, MS Project, Microsoft FrontPage, Fire bug, Fire Path, IE Developer Toolkit and HTML |
| **Testing Strategies** | Integration, Unit, System, Black Box, White Box, UAT. |
| **Reporting Tools** | Crystal Reports, SQL Server Reporting Services |
| **Language** | Java 8, C++, SQL, HTML, XML, VB, JavaScript, VB Script,  Databases Oracle, SQL Server, MySQL, MS-Access and DB2, Toad  Tools |

**PROFESSIONAL EXPERIENCES**

**C Client: Altegra Health, Miami Lakes, FL. Oct 14 – Till Date**

The project, TCS-ARC application was developed to help solve the coding needs of Medical coding business. It was a web-based deployment with extensive use of APIs and web services. The version focused on internal use for employees, with extension plans for end customers.

**Role: QA Automation Engineer**

**Responsibilities:**

* Conducted Automation/manual testing using the Standards, guide lines and structured methodology in testing the application. Analyzing Business Requirement/Features and preparing the Test conditions in HP Quality Center.
* Preparing Test Scenarios based on **RSM (Requirements Specification Matrix).**
* Develop test scripts using **Selenium Web Driver, ample use of Firebug to map HTML pages and Selenium to document reports, test results. Use of "Parameterization" techniques for a "Data driven" test. All development was done under Eclipse IDE.**
* Web Services automation for manual and Automation both. Automation using TestNG **and Selenium**.
* Documented and executed Test plans, Test cases and Test scripts based on business requirement document.
* Developed QA processes automation test scripts using **Python/Selenium** to test Web based user interfaces for different type of browsers. Validated the data from Front End to Back End tables in **Oracle Database**
* Extensive experience in **JAVA programming for JAVA automation/Performance testing**
* End to end execution of automated scripts, Test Result analysis.
* Prepared test cases for the system covering SRS document, design document, reviewing them with the developers and finalized the test cases.
* Developed automation test cases, executed these test scripts from test lab and logged defects in **JIRA/ALM**
* Involved in developing Test plan and Test scripts using the business documents in Test Director.
* Involved in Testing in Agile Development Environment. Using **TDD and ATDD approach.**
* Validated web services manually and through automation using **SOAP UI**.
* Performed Mobile Testing and Automated Mobile Simulator using **QTP 11.0.**
* **Performed Different types of testing iPhone App and Android App. Validated Social Networking sites (Face book, Twitter and Google +) for Company Page.**
* Experience in creation of library functions, Checkpoints, Data Validation Descriptive Programming using **QTP 11.0**. Experience in Data Driving and Keyword Driven testing.
* Tested extensive backend testing using SQL Queries to retrieve the data from the database and checked data integrity.
* Performed End-to-End testing manually and was associated with User Acceptance Testing.
* I have validated **Social Media and IPhone Apps for Sphere**. I have validated Different Web Services written for Projects. Write and tests Web Services calls manually and through automation.

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**Environment**: **Selenium QTP, Perl, Python, SQL Server, Angular Js, JIRA, MS Excel, HTML, Windows, SQL, Oracle 10g, MS Office, .Net, Visual Studio, JAVA, Unit Testing, TestNG, , Eclipse, Ruby, SOAP UI**

**Client: Occupational Health Systems, Knoxville, TN. Nov 11 – May 12**

Occupational Health Systems is one of the largest and most comprehensive health care systems. This system provides Patient Administration, Billings and Pharmacy Management functions for the hospital.

**Role: QA Engineer**

**Responsibilities**:

* Actively involved **with SCRUM** and sprint meetings, managing product backlog, removing obstacles to progress, re-allocating resources where necessary, prioritizing and review milestones and accomplishments.
* Extensively used **Selenium Web Driver 2** to test the web application. Developed and implemented robust **MVC** pattern base testing with Selenium WebDriver which cut down the script development time in half.
* Configured Selenium WebDriver, TestNG, Maven tool and created **Selenium automation scripts in java using TestNG prior to agile release.**
* Responsible for implementation of Hybrid Test Automation Framework build using **Selenium WebDriver, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.**
* Involved in creation of automation framework in Selenium WebDriver using behavior driven approach like Cucumber. Creation of framework in Selenium WebDriver using behavior driven approach like **JBehave.**
* **JBehave** project for automatic acceptance testing. It helps make tests easier to read and write naturally.
* Created and executed the test scripts with **Java, Selenium WebDriver, and TestNG.**
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using **Selenium Grid and Jenkins.**
* Used automated scripts and performed functionality testing during the various phases of the application development using Selenium.
* Extensively used **Selenium IDE** to record, playback and debug individual test cases, using Selenium WebDriver provided more flexibility in automating test cases.
* Extensively worked on Selenium web Driver with the preferred Languages **Java, C Sharp, Python, Ruby and Perl.**
* Experience in Open-source web application that in Angular Js.
* Implemented Regression and Smoke tests execution as separate step of deployment process by using **WebDriver.**
* Performed Data-Driven testing by developing Java based library to read test data from Excel & Properties files.
* Extensively used Selenium (**XPath and CSS locators**) to test the web application.
* **Used SOAP UI tool to test SOA based architecture application to test SOAP services & REST API. Used Page Object Model, UI Mapping, Selenium Manager, Data Driven using CSV, CSS Selectors as a part of Framework.**
* Performed **SOA / web services** testing using **SOAP UI**, wrote adaptors to test / invoke web services.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex SQL queries from oracle database.
* Functional and Cross Browser testing of Defined Browser Stack of the site experience Defect Triaging and Release sign off for Continuous Delivery cycles.
* Writing complex SQL queries and update transaction and properties for accounts on stages for **UI testing, Integration testing with different data points etc.**
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment:** **Java, Selenium WebDriver, TestNG, Maven, Angular JS, Jenkins, Soap UI, Rest, Cucumber, JBehave, HTML, XML, XPath, Firebug, SQL, Oracle, Windows**

**Client:** **United Health Care, NJ**  **Aug 2006 – Mar 2008**

**Role**: **QA Analyst**

**Description**: United Health Care is one of the largest premier providers of Health Insurance to its customers. This web based application provides policy holders and service providers 24/7 accesses to all information securely over Internet.

**Responsibilities:**

* Analyzed the Business Requirements Document (**BRD),** developed Test cases and Test scripts for the application under test.
* Actively participated and Interacted with product management teams in the review and analysis of functional requirements.
* Involved in testing various business rules User/Customer Functionality, Change Process, Configuration Data Requirements, Legacy Data Requirements, and Access Permissions Requirements.
* In depth understanding of **Object Oriented Programming** and skilled in developing automated test scripts in **Selenium.**
* Created automation framework and test scripts using **Selenium Web-Driver** for multiple platforms and browsers testing.
* Design, develop and implement Page Object Model Pattern based Keyword Driven automation testing framework utilizing **Java, Test-NG and Selenium Web-Driver.**
* Developed automation test cases, executed these test scripts and logged defects in **JIRA/ALM.**
* Used **SVN Subclipse** repository for efficient remote team working, also stored the framework and all the developed test cases.
* **Configured Selenium Web Driver, Test-NG, Maven tool and created Selenium** automation scripts in java using Test-NG prior to next quarter release.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL queries from SQL Server**.
* Developed RF parameters and signal flows
* Designed data-driven testing framework in Selenium and captured data dynamically from web controls.
* Used automated scripts and performed functionality testing during the various phases of the application development using Selenium.
* Performed functional testing to identify various critical points in the application and automated it by using Selenium Web-Driver with Test-NG.
* **Used Firebug/ IE Developer Toolkit and Selenium IDE to capture and validate CSS Locators, html ids to identify elements.**
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using Selenium.
* Experience in ORA JD Edwards/ Fusion Tester
* Demonstrated ability to solve complex automation challenges involving Ajax, dynamic objects, custom object types, unexpected event handling.
* Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs and XPath in Selenium.**
* Performed functional testing of **SOAP and RESTFULL Web Services using SOAP UI** Tool.
* Involved in testing **Web services and XML** with tool called **SOAP UI** and using this tool to locate **WSDL file** on internet, create Test cases and run them
* Involved in scope creation, script creation, configuration, execution, analysis, resolution, retesting in order to performance testing **using JMeter**.
* Designed scenarios in **JMeter** to perform Load and Stress tests and to analyze results.
* Involved in regression testing using QTP **tool prior converting QTP scripts to Selenium web-driver**
* Attended weekly status meetings with development and management Teams.
* Reported defects to developer and discussed about the issues in weekly status meetings.
* Prepared user documentation with screenshots for **UAT (User Acceptance testing).**

# Environment: Selenium Web driver/IDE, Eclipse, Networking, Cable (DOCSIS) protocol, Jmeter, Jira, Java, JavaScript, HTML, CSS, X-path, Windows, SQL Server, Application Lifecycle Management, Jasmine,RF standards, Quality Center, Test-NG, SVN, SOAP UI, Fire bug, Fire Path, IE Developer Toolkit, QTP.

**Client Name: Trident USA Health Services, Camp Hill, PA Sep 2008 – July2010**

**Role: Selenium QA Engineer**

**PNC** provide a way for the Consumer Loan Processing Center to capture images and track documents. This also provides a way to create barcodes, capture the images into an image repository and track the physical paper. In addition to tracking and image capture, the LIS UI has the ability to import images directly into the repository and export images onto a file share.

**Responsibilities:**

* + Developed and maintained Test Documentation including Test Plans, Test Cases, Test Data and log defects using Rally.
  + Tested compatibility of application for dynamic and static content under various cross browsers using **HTML IDs and XPath in Selenium**.
  + Created and executed the test scripts with **Java/Junit for Server side APIs.**
  + Involved validating sites across browsers and operating systems, the accuracy of links, visual presentation and its alignment with design specifications.
  + **Used Selenium RC framework with java plug-in to generate automated test scripts for functional testing, GUI testing and enhancing the existing scripts.**
  + Responsible for Functional and Regression Testing.
  + Involved in executing all **Selenium test scripts** on different browsers and checked for compatibility.
  + Executed automation tests in development and QA environment.
  + Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL** queries from oracle database.
  + Created automation scripts in **SOAP UI** using Groovy Script for web services testing.
  + Performed Regression testing for every modification in the application and new builds using Selenium RC.
  + Conducted numeric, non-numeric and limits data validation using positive and negative data.
  + Actively participated in status report meetings and interacted with other team members for technical issues.

**Environment:** **Selenium, Quality Center, Eclipse, Java, JUnit, SOAP UI, HTML, JavaScript, CSS, SQL, Windows XP, Oracle 11g, Agile Methodology.**