**Shreya Singh**

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**Professional Summary**

* Over 6+ years of strong Software Quality Assurance and Software Testing experience in Web and Client Server environment.
* Strong knowledge in understanding the complete software development lifecycle **(SDLC)** including requirements gathering, risk analysis, project planning, scheduling, testing, defect tracking, management, and reporting.
* Extensive experience in QA Methodologies, preparing Test Plans, writing Test Cases and executing them; performed Defect Reporting and Tracking throughout the entire defect life cycle of various **Web Based applications**, **Desktop Application and Web Services**.
* Experience in implementing Web automation using **Selenium RC/Web driver**.
* Expertise in exporting JUnit scripts from **Selenium IDE to Eclipse**, modifying the selenium scripts and writing test suites using **JUnit**.
* Hands on experience in working with Mercury interactive tools like Load Runner, Quality Center and **HP UFT (Unified Functional Testing).**
* Extensively executed SQL queries on Teradata, Oracle, DB2, Hadoop, SQL server tables in order to view successful transactions of data and for validating data.
* Hands on Experience in testing web based applications using **HP Unified Functional Testing (UFT)**.
* Defining objects in UFT using **recording** and **objects SPY**.
* Experience in SOAP composite applications and, monitor **SOAP and REST** composite applications
* Experience with the Test administration and bug tracking tools Quality Center.
* Extensive experience in running various kinds of tests such as **Unit Testing, Integration Testing, System Testing, Regression Testing, Testing for Web and Client/Server Applications on Unix, Linux, windows and Mac environment.**
* Expertise in editing and debugging tests using **Selenium using JAVA and C#**.
* Proficiency in programming with different Java IDE’s like Eclipse, Net Beans, Visual Studio.
* Expertise in using Element Locators like **Firebug, Fire path and Selenium IDE** for identifying web elements.
* Expertise in using different unique identifiers like **XPATH/CSS Selectors/ID/Name/Class Name/Link Text/Partial Link Text** etc.
* Worked in designing Framework and Automation scripts in **Page Object Model design (POM)**.
* Experience in **Cross Browser** and **Platform Testing.**
* Extensive working experience on different browsers like **Firefox, Google Chrome, Internet Explorer, Safari and Opera.**
* Experience in **TestNG.**
* Tested the various Web Services Oriented Architectures **(SOAs), REST (XML, JSON)** service validation and Spanning across various web services using **SOAP and WSDL across various applications.**
* Experienced in manual testing of applications developed on Windows and Mac environment.
* Experience in designing and executing Automated Tests Suites using **Data Driven Automation Framework, Keyword Driven Framework, Hybrid Driven Framework.**
* Experience in Backend testing in MS-SQL Server, Oracle, MySQL and MS-Access using SQL Queries for data validation and verification.
* Experience in **JMeter** performance test in stress test execution stress for Rest Services.
* Evaluated and recommended new and existing tools and solutions to increase functional efficiency.
* Experience in **AGILE Methodology projects using SCRUM.**
* Experience in using **ALM** for defect Logins.
* Experience in handling multiple projects at the same time within deadlines.
* Ability to work efficiently in both independent and team work environments.

**TECHNICAL SUMMARY:**

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| **Testing Tools** | SeleniumIDE/RC/Grid/Web Driver, HP UFT,Hadoop, SoupUI, JMeter, Load Runner, Mercury-Quality Center, Junit. |
| **Scripting Languages** | JavaScript, UNIX Shell Scripting, ANT |
| **Languages** | C, C++, JAVA, VB, C#, SQL, PL/SQL |
| **Database** | MS Access,NoSQL, Oracle 10g,Hadoop, MySQL 4.x/5.x, DB2, SQL Server 2005/2008 |
| **Web Technologies** | HTML, DHTML, CSS, XML, XSD, XSL, XSLT, XPATH, AJAX. |
| **Packages** | MS-Office Suite (Word, Excel, Access), MS-Project and MS-Visual Studio |
| **Servers** | Weblogic8.1/9.2/10.x, WebSphere5.1.3, Apache Tomcat5.x/6 |
| **Browsers** | IE 6.x,7.0/8.0, Firefox 2.0/3.0, Chrome, Safari and Opera |
| **Protocols** | TCP/IP Protocol suite (HTTP, FTP, SMTP, UDP, DHCP, SSL, DNS) |
| **Operating system** | Windows NT/2000/XP/Vista and UNIX (Solaris9/10 / Linux4/5) |
| **Defect Tracking Tools** | Quality Center, Test Director, Fire Bug, Fire Path |

**Verizon Wireless, Irvine CA**

**Sept 2016- Present**

**Title: Automation QA/Tester**

Verizon Wireless offers certain applications and services that are exclusive to its subscribers. Many of these apps are pre-loaded on Verizon devices. As Automation Tester, i was responsible for Work on Internet scale applications, where performance, reliability, and scalability are critical design goals mainly using REST API tool.

**Responsibilities:**

* Automated the test cases using Selenium IDE add on plug-in.
* We followed **Agile/Scrum** methodology for building the application.
* UFT: In data driven frameworks for each Use Cases (functionality) written in Descriptive Programming. Executing the test scripts in **UFT and ALM**. Developed test scripts and function libraries using VBScripts.
* Enhanced and created UFT/QTP scripts using reusable actions, parameters and check points.
* Proficiency and experience in automated testing tools (Rational Functional Tester, Mercury (HP) QTP/UFT, or Borland Silk).
* Developed and executed test cases for **REST API** services using **UFT tool.** Add check points to validate the response header.
* Knowledge of test case design techniques like boundary, decision tables, and **BDD** (Behavior Driven Development) / **TDD** (Test Driven Development).
* Performed defect reporting and bug tracking using **JIRA, SPIRA**.
* Executed **regression test** procedures and automated test suites **and scripts.**
* Used automation tool **Selenium Appium** to run regression test on mobile application.
* Used **XPath and DOM** to work with dynamic and static objects in Selenium with **java**.
* Experience with Android and IOS **mobile app functional validation**, Store inventory Management, data validation and API testing using Advanced REST client, **JSON** validation.
* Involved in validating functional, Integration and Regression test suites using **Selenium, Cucumber** and the request and response of the Web Services (SOA) through **SOAPAPI**.
* Used **SOAP UI tool** to test SOA based architecture application to test **SOAP services** and **REST API,** rest assured frameworks.
* Involved in executing **SQL** and **PL/SQL procedures**, **functions** and **packages** for backend testing.
* Experience with **TDD**, Continuous Integration / Continuous Delivery model.
* Hands on experience with performance and load testing automated tools **Gatling** and **JMeter.**
* Developed automation test scripts for client -server and web based applications using **Java**, **Silk** and other automation tools.
* Good Experience in web user interface automation testing with Selenium Web driver, **Java,** Junit, Maven, Jenkins, SOAP UI, Cucumber and TestNG frame works.
* Experienced in design and build framework using java in Automation.
* Handled **client-server applications and distributed web service** development
* Performed **GUI** testing, Smoke testing, **Black box testing**, Functional testing, System testing, Integration testing, Back end, User Acceptance and Regression testing.
* Wrote VBScripts for **Black Box** and **White Box** Testing.
* Responsible for estimating required resource and components for **SOA** testing.
* Involved in Defect tracking and Reporting using **JIRA, Rally** defect tracking tool.

**Environment**: **Java, Selenium WebDriver, Eclipse, TestNG, Maven, Python, Jenkins,** SOUPUI, TDD**, Agile,** HTML, XML, XPath, **Rally, Web Services (SOAP & REST API) JavaScript, Quality Centre, Protractor, API, JIRA, SQL**, PLSQL, Putty, Win SCP, SQL Navigator, Oracle, UNIX, Windows.

**Client: Kaiser Permanente, Oakland, CA**

**Duration: Nov 2015-Aug 2016**

**Title: Selenium QA Engineer**

Kaiser Permanente is an integrated managed care consortium, founded in 1945 by industrialist Henry J. Kaiser and physician Sidney Garfield. Kaiser Permanente is made up of three distinct but interdependent groups of entities: The Kaiser Foundation Health Plan, Inc. (KFHP) and its regional operating subsidiaries; Kaiser Foundation Hospitals; and the regional Permanente Medical Groups. As of 2014, Kaiser Permanente operates in eight states and the District of Columbia, and is the largest managed care organization in the United States. Experience Working as a Quality Assurance tester for Kaiser, one of the large healthcare providers and involved in testing healthcare applications that deals with Health plan, Hospital, Utilization Management and Facets Workflow.

**Responsibilities:**

* Developed templates for Test Cases, Test Scripts, and Test Query Log.
* Performed End-to-End testing manually and was associated with User Acceptance Testing.
* Worked with Development Team to generate EDI HIPAA 837, 820, 834, 270, 271, 276, 277 Transaction Set using Companion Guides.
* Developed Weekly Status reports with all the Test Metrics Such as Total Test Executed, Total Test Analyzed, Total Passed and Total Failed etc.
* Performed Web automation testing in Selenium using JUnit framework and performed manual testing for web pages on mobile devices.
* Automated the test cases using Selenium IDE add on plug-in.
* Worked with Big Data and Hadoop File System (HDFS).
* Configured Selenium WebDriver, TestNG, Ant tool and created selenium automation scripts in java using Eclipse.
* Performed automation of test cases using Selenium WebDriver with TestNG.
* Used to manage and review the Hadoop log files.
* Created user defined functions in Java and implemented the functionality with Selenium.
* Designed, developed and implemented Keyword Driven automation testing framework utilizing Java and Selenium WebDriver.
* Designed and Implemented hybrid automation framework to be used with Selenium WebDriver.
* Implemented page object model (POM) using Selenium WebDriver, Maven, TestNG and Java.
* Used and maintained automation framework using Appium.
* Used Appium to develop automation testing scripts for web and Mobile.
* Experienced with **NoSQL** databases like **HBase, MongoDB** and **Cassandra**
* Used Emulators and IOS simulators to perform the Mobile Testing.
* Interacted with developers to resolve the ETL and reports defects.
* Used JBDC in SoupUI for testing Database.
* Involved in Scrum meeting and HP Agile manager to track and report issues.
* Used ALM (Application Lifecycle Management) for Defect Logins, and assigning it to appropriate developers.
* Developed automated scripts using Selenium, Protractor, for end-to-end and unit testing.
* Developed automated scripts for Angular JS application using protractor and Java scripts.
* Defects were tracked, reviewed, analyzed and compared and stored in HP Quality Center.
* Performed testing for SOAP and REST services (JSON format).
* Performed Data Driven Test for web services.
* Used Python scripts to update content in the database and manipulate files.

**Environment:** Java 1.7, J2EE, JavaScript, Selenium WebDriver 2.52.0, TestNG, Hadoop, Oracle9i/10g, Eclipse 4.3, Maven, JIRA 6.2, Git, Appium , Python, NoSQL, Mozilla Firefox, Google Chrome, Internet Explorer, Safari, Opera, Firebug, FirePath, XPathchecker, Microsoft Office, SoupUI pro, Windows, MAC OSX and Fedora Linux, HP Agile Manager, ALM.

**Client: E-Trade Financial, New York**

**Duration: May 2014 - Aug 2015**

**Title: Quality Assurance Engineer**

E-TRADE Financial is a leading financial services company and a pioneer in the online brokerage industry. Having executed the first-ever electronic trade by an individual investor more than 30 years ago, the Company has long been at the forefront of the digital revolution, offering easy-to-use solutions for individual investors and stock plan participants

**Responsibilities:**

* Used Selenium IDE to automate manual testing procedure to test functionality of this project including design functionality and workflow functionality.
* Performed cross browser compatibility testing of the web application using Selenium IDE.
* Developed several Javascripts using eclipse.
* Used Selenium WebDriver to test dynamic webpages (where elements of a page may change without the page itself being reloaded) of the application of this project.
* Developed a script in Java to manipulate excel files using Apache POI, that can be used in Selenium web driver.
* Developed an Appium test script in Java using eclipse to perform testing for mobile application.
* Created and configured environment to perform Appium test for mobile application.
* Configured and used Appium for testing both mobile application for both android and iOS.
* Used Agile manager to track and create user stories and followed daily scrum meeting.
* Extensively used SQL for Back End testing to validate data in the database and documented test results.
* Used JIRA to record, track and update issues. Perform real time reporting and backlogging using JIRA while performing testing.
* Helped in developing and understanding the tests, loading and feeding the tests into Cucumber and then translating them to a Java which can be used in Selenium to perform cross browser testing.
* Used Apache subversion for software version and revision control.
* Performed Web Services testing using Soap UI & REST Client. Validated the API Service Calls against the SQL Database.
* Used JDBC in SoupUI for checking Database.
* Used SoupUI to place data into JSON files for testing Web application.
* Used Python scripts to update content in the database and manipulate files.
* Used Jenkins to run apache ANT scripts used in the project.

**Environment:** Selenium IDE/ WebDriver, Grid, TestNG, XML, XPath, Maven, Firebug, Firepath, JUnit, Web Services, SOAPUI Pro, Java, JavaScript, Python, Jenkins, Apache Subversion, XML, Microsoft Visual studio, HP Agile Manager, Bugzilla.

**Client: Century Link, Colorado**

**Duration: July 2013 - March 2014**

**Title: QA Automation Engineer**

CenturyLink (NYSE: CTL) is a global communications, hosting, cloud and IT services company enabling millions of customers to transform their businesses and their lives through innovative technology solutions. CenturyLink offers network and data systems management, Big Data analytics and IT consulting, and operates more than 55 data centers in North America, Europe and Asia. The company provides broadband, voice, video, data and managed services over a robust 250,000-route-mile U.S. fiber network and a 300,000-route-mile international transport network.

Responsibilities:

* Used Selenium IDE to Automate basic tests for design functionality testing of the web application.
* Recorded several scripts using Selenium IDE and export them in vb.net and C# using NUnit and Selenium Web Driver and Java.
* Configured the Selenium test automation for Selenium Remote Control by setting up the necessary configuration files and Jar files.
* Participated in daily Scrum meetings and used HP Agile Manager to log minutes of meeting and update progress and issues.
* Analyzed & fixed the ETL Backload issues and debug the UNIX scripts.
* Used Microsoft Test Manager on team foundation server to log defects, progress for testing and create reports.
* Performed testing for functionality of SOAP Web services that uses JSON data.
* Developed a script to test Restful Web services that uses JSON and XML data.

**Environment:** Selenium IDE, Selenium Remote Control, Unix, Shell scripting, Python, Microsoft Test Manager, SOAP Web Services, XML, JSON, Java, Eclipse, .Net, Microsoft Visual Studio, SQL, Microsoft SQL Server, Git.

**Client: Farmers Insurance, Los Angeles, CA**

**Duration: Sep 2012 – May 2013**

**Title: Test Engineer**

Farmers Insurance group is one of the largest Auto and Homeowners insurance companies in US. It is a leading insurer of small and medium-sized businesses and operates a large life insurance company as well as rapidly growing financial services. It also leads the industry in insuring specialty products such as Mobile homes, Motor homes, Travel Trailers and specialty dwellings. It has grown to be a leading provider of liability and physical damage insurance-focusing exclusively on private passenger vehicles across the United States. Farmers will achieve Market leadership by driving innovation and operational excellence to provide the best value and experience for customers.  As part of Policy Admin system testing, team was responsible to ensure policies can be issued to customers as per the selections and defined business rules.

Responsibilities:

* Perform quality analysis and design and workflow testing of desktop application for farmers Insurance using HP UFT(QTP).
* Performed functional and regression tests for design and workflow of the application.
* Performed regression testing by automating the tests using vb script and visual studio.
* Configure UFT to compile the tests for cross platform and multi browser for testing the web application.
* Develop several test cases for SQL server basically includes ETL.
* Used HP Quality Center to perform repeatable processes for managing requirements, running tests, logging and updating issues and create change requests for each defect.
* Have written python and vb scripts to run tests for REST API that uses JSON data.
* Performed manual testing for some of the test cases.

**Environment:** Manual, HP Unified Functional Testing, HP Quick Test Professional, VB Scripting, Visual Studio, SQL, Microsoft SQL server, HP Quality Center, Python, REST API, JSON, Windows, Linux, MAC, Maven, Apache Subversion.

**Krify Software Technologies, Andhra Pradesh**

**Duration: Aug 2010 - May 2012**

**Title: Test Engineer**

Krify is a Multinational Company specialized in crafting latest Mobile Apps, Software Application, Web Applications and also in extending services like Digital Marketing, Quality Testing, Content Development, SEO and many more.

Responsibilities:

* Performed GUI application testing for their design and workflow using HP UFT.
* Create objects using recordings and object spy. Performed testing using different recording modes such as Default, Analog, Lowlevel and Insight.
* Performed testing using Hybrid driven framework and modular driven framework.
* Involved in following waterfall model process in the project.
* Execute several python and vbscripts to perform ETL testing of database.
* Used HP Quality Center to log, update, assign and track defects while performing testing.
* Perform testing of Rest API services by creating automatic calls, integrated API authentication for repeatable calls and test multiple calls in sequence of workflows.
* Expertise in testing Rest API and SOAP UI web services.
* Performed manual testing for some of the web applications and GUI applications for their design and workflows.
* Performed Web application testing using Selenium IDE, Firebug and Firepath.

**Environment**: Manual, HP Unified Functional Testing, QTP, Java, Eclipse, VB Scripts, Visual Studio, SQL, My SQL, MS SQL, Selenium IDE, Firebug, Firepath, Chrome, Mozilla Firefox, Internet Explorer, Safari, HP Quality Center, SOAP UI, Restful API, Web Services, Apache ANT, Git.

**Education:**

Uttaranchal Institute of Technology, Uttarakhand Pradesh, India, Cumulative GPA: 3.92/4.0

Bachelor of Technology, Computer Science