**SOFTWARE TESTING ENGINEER**

**CHIRAYU PATEL**

**Email ID:** [**pchirayu78@gmail.com**](mailto:pchirayu78@gmail.com)

**Contact No: (856) 485-0136**

**PROFESSIONAL SUMMARY:**

* Passionate software professional with around **seven years** of experience in Information Technology, with specializing in **Software Quality Assurance Testing**, proficient in testing.
* Excellent working experience in all phases of **SDLC**: Requirements Gathering, Analysis, Design, Development, Testing, Implementation (Production) and Maintenance Support (Post Production).
* Good Knowledge in Test Management and Testing Lifecycle Methodologies like **Agile Models**, **Waterfall, TDD (Test Driven Development)**.
* Proven ability in designing and creating automation frameworks for **J2EE** based applications using **Java, JUnit/ TestNG, Selenium WebDriver/IDE/Grid, ANT/Maven, and Jenkins.**
* Expertise in working with **Manual** and **Automated testing tools**: **SOAP Scope, SOAP UI, IBM RIT (GreenHat (GH) Tester), Clear Quest and Quality Center HP ALM11, CALT**.
* Excellent work experience in **Smoke, Functional, Integration, GUI, Regression, System, Compatibility, Performance, Acceptance, Security, Stress, Black Box** Testing etc.
* Possess good programming skills and understanding of **JAVA, JSP, HTML, UNIX shell scripts, SQL.**
* Developed and executed **Test Plan, Test Cases, and Test scripts** for various applications.
* A Clear understanding of documents like **BRD, SRS, FRD, Use Cases**.
* Using **Spring** Framework written **Java Coding** for **API** Testing using Post. Performed **Java Web Services** testing for **REST API** Calls. Performed **API Testing** using **Rest Client** and **SOAP UI**.
* Experience in all stages of testing – **Integration, Smoke, Regression, System/end-to-end/Process, Usability, Web** and **Maintenance testing.**
* Hands On Experience on testing **web services (SOAP, REST)** using **SOAP UI Tools**
* Good experience in **Bug Tracking** tools like **Quality Center, Test Director, Clear Quest** and **Bugzilla.**
* Strong **PL/SQL,** developing **database queries** for **Backend Testing**, in-depth Knowledge of **Oracle** and **SQL Server**, Knowledge in performing Database testing on **Oracle, SQL Server using SQL Developer and TOAD.**
* Worked with **Unix/shell** scripting for caching data from **Oracle** database to **MySQL** database.
* Using **JMeter** performed Unit Level Validation like special characters, uniqueness, invalid input, specified data range, boundary values for account creation.
* Experience in **Data Driven Testing**, **Cross browser** testing and **Parallel** Test Execution using **Selenium WebDriver, TestNG and Selenium Grid.**
* Experience with **UAT testing** along with data setup, Environment setup and coordination between users, Development, Business Analyst and Product Management teams.
* Sound knowledge on **JUnit, TestNG** framework for **Unit testing**, **MAVEN** and **ANT** for Project building tool, Jenkins/Hudson for Continuous Integration.
* Well versed in different management scenarios like **Change Control, Quality Assurance, Defect Tracking, System Integration, and Task Scheduling.**
* Expert in preparing **Traceability Matrix** to map requirement coverage with test cases.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing the environment.
* Strong aptitude towards learning new technologies and sharing ideas.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Languages** | Java, JSP, HTML, XML, JavaScript, Perl, Shell Script, SQL. |
| **Testing Tools** | Selenium WebDriver/RC/IDE/GRID, JUnit & JMeter, TestNG, Cucumber, Maven |
| **Methodologies** | Agile-Scrum, Waterfall, V-Model |
| **CI / Version Controls Tools** | Hudson, Jenkins, Cruise Control, SVN, GIT, CVS |
| **Defect Tracking Tools** | Jira, Bugzilla, DETS, IBM Rational ClearQuest, FireBug, FirePath |
| **Web Technologies** | HTML, CSS, JavaScript & Frameworks, Ajax, Restful |
| **Web & App Server** | Apache Tomcat, JBoss, WebLogic, WebSphere |
| **Databases** | Oracle, SQL Server, MS Access, MySQL |
| **Operating Systems** | Windows Variants, Mac OS, Unix/Linux |

**PROFESSIONAL EXPERIENCE:**

**Client: Comcast, Seattle, WA Apr 2017 – CURRENT**

**Description:** I am involved in an Enhancement Project for the customer web interface. Additional functionality was to be added to the existing online system due to increasing customer base.

**Role: QA Automation Engineer**

**Responsibilities:**

* Analyzed Business, Functional Requirements and Design Review Documents to develop Test plan for positive, negative test cases.
* Performed the tasks of assisting agile tester in conducting test plans and test cases.
* Gathered Test requirements and uploaded in HP Quality Center.
* Developing Test cases in Quality Center/ALM and executed the test cases in Test Lab module of QC.
* Followed agile methodology, Attended SCRUM meetings, and standup meetings. Investigated software bugs and interacted with Dev team to resolve bug issues using Microsoft Test Manager (MTM).
* Performing Cross-platform, Functional, Regression testing, UI testing for mobile app using Appium test automation framework.
* Effectively involve in logging bugs, reviewing solved bugs and analyzing test result using MTM.
* Interpreted different performance counters, participated in analysis of load test results and mentor others in troubleshooting issues with Visual Studio Team Test.
* Used agile systems and strategies to provide quick and feasible solutions, based on agile system, to the organization
* Tested application under the Agile, scrum and sprint development and process.
* Report Test Failures and Defects using HP Quality Center and Team Foundation Server (TFS) and provide management with Regression Test Reports and Progress Reports.
* Involved in execution of all types of system testing including: Smoke, Functional, Integration, Regression, GUI, Load/Performance, System and User Acceptance Testing.
* Used HP Quality Center (QC) and JIRA for reserving, executing test cases, defect tracking, and the complete test management.
* Customizing and generating multiple TFS reports to serve company needs.
* Performed automated client-side GUI testing using Selenium RC/Webdriver that interacts with page elements as a real user would and regression test suites (TestNG).
* Used HP Quality Center (QC) and JIRA for reserving, executing test cases, defect tracking, and the complete test management.
* Directly tested HTML implementation and page coding with selenium automation.
* Worked with team to create Selenium infrastructure for UI testing of the websites and multiple browsers.
* Developed and executed regression test cases/scripts, including black box tests.
* Analysis of application requirements and entering of requirements into HP QC/ALM Execute the SoapUI test cases logged the defects found in JIRA and assign them to the Developers.
* Prepared Test Data and executed Test Cases from HP Quality Center.
* Used Firebug to find XPATH and CSS locators to locate web elements.
* Initiated laboratory performance program to ensure current FDA Good Manufacturing Practices compliance.
* Debugged, wrote SQL queries on Oracle for data validation and data creation.
* Knowledge of setting up execution environment on multiple machines using Selenium Grid.
* Run the builds using Continuous Integration tool Jenkins. Tested applications under Scrum (Agile) Methodology.

**Environment:** JAVA, JAVA script, Selenium RC/IDE/GRID/Web Driver, MTM, TFS, HP, ALM, , SVN, DBFit, Appium, JIRA, Eclipse, HTML, Agile, Scrum, JSP, Junit/TestNG, MAVEN, SOAPUI, Jenkins, MySQL.

**Client: Trade Service, San Diego, CA Jan 2016 – Mar 2017**

**Project: National Pricing System**

**Description:** Worked with National Pricing System (NPS) application: The Purchasers choose from a list of plans available for a product. Each plan has a group of benefits that a member is entitled to. NPS is a pricing system designed to generate rates for the plans the purchaser desires to buy. It also generates rates for renewing contracts and supports the workflow management process in the pricing department. NPS generates series of reports for the pricing department users.

**Role: Automation Analyst.**

**Responsibilities:**

* Analyzed business requirements, functional requirements, use cases and provided feedback for a clear understanding of each requirement.
* Identified test cases to automate and develop automation test scripts using Selenium WebDriver and Java.
* Involved in creating the functional testing framework using TestNG and using Selenium WebDriver for writing Automated Scripts with Java.
* Developed new and updated existing Automation test cases using Selenium WebDriver and TestNG, used Git and Source Tree as VCS for a Java based Web application, used Maven as build tool and Jenkins to create and run deployment jobs.
* Created test cases, test plans, tested API’s, wrote JUnit test cases, executed code coverage and wrote automation scripts using Selenium WebDriver.
* Performed parameterization of the automated test scripts in Selenium WebDriver to check how the application performs against multiple sets of data.
* Performed back-end testing on Oracle and SQL Server databases by writing SQL queries to make sure the contents displayed on the UI correct as per requirements specifications.
* Designed the UI of the application, prototyping and wire framing in MS Visio for better illustration of the application.
* Extracted the Business Requirements from the end users keeping in mind their need for the application and prepared Business Requirement Documents (BRD) using Rational Requisite Pro.
* Created workflow scenarios, designed new process flows and documented the Business Process and various Business Scenarios and activities of the Business from the conceptual to procedural level.
* Clarified QA team issues and reviewed test plans and test scripts developed by QA team to make sure that all requirements will be covered in scripts and tested properly.
* Involved in functional testing, Integration testing, User Acceptance testing, Regression testing.
* Planning for Test Execution activities to accomplish tasks on the daily/weekly basis.
* Worked with end users to generate UAT scripts and to successful completion of UAT testing.
* Performed browser compatibility testing.
* Working experience on daily status reporting & managed end to end testing.

**Environment:** Java, Selenium WebDriver, Eclipse, JUnit, ANT, Jenkins, SoapUI, Internet Explorer, Google Chrome, Firefox, Git, TDD, Agile, Quality Center, SQL, Oracle, Windows, and UNIX.

**Client: H&R Block, Seattle, Washington Jan 2015 – Dec 2015**

**Description:** Was involved in testing of web-based application called Tango. Tango is an online tax preparation with an attitude. It's a completely new and different way to prepare your taxes online. Tango allows customers create login and then enter tax information. Tango automatically calculates, checks for common errors, and prepares the proper tax form. Customer will get electronic confirmations.

**Role: QA Engineer**

**Responsibilities:**

* Analyzed the Business Requirements Document (BRD), developed Test cases and Test scripts for the application under test.
* 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.
* 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.
* 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.
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities of the application using Selenium.
* 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, JMeter, Jira, Java, JavaScript, HTML, CSS, X-path, Windows, SQL Server, Quality Center, Test-NG, SVN, SOAP UI, Fire bug, Fire Path, IE Developer Toolkit, QTP.

**Client: All State Insurance, Northbrook, IL Jan 2013 – Dec 2014**

**Description:** Allstate Insurance is one of the leading Insurance companies which claim to provide prompt, accurate and friendly service to their customers. In a drive to provide such a service, automated claims processing is being used to make the process more efficient and effective, reducing paper and travel cost help save time. The application allowed users to calculate the premium required cash value and benefit for various insurance such as auto, property, life, and business insurance. I was involved in the testing of online services offered by Allstate. I was responsible for testing the auto insurance module.

**Role: Quality Assurance Tester  
Responsibilities:**

* Extensively involved in analyzing Business Requirements, created testing strategies, testing plans and prepared detailed test cases for the Application under Test (AUT).
* Developed automation test scripts using Selenium Web Driver and Java.
* Developed Data Driven Test scripts as well as running these scripts for Message processing, Registration, and Reports testing using Selenium WebDriver.
* Created test cases, test plans, tested API’s, wrote JUnit test cases, executed code coverage and wrote automation scripts using Selenium WebDriver.
* Performed parameterization of the automated test scripts in Selenium WebDriver to check how the application performs against multiple sets of data.
* Created the JUnit test cases for the different web applications using Eclipse IDE.
* Extended data driven framework and developed re-usable functions across the application.
* Used JUnit Test to automate functional and regression testing across integrated environments.
* Used ANT to build and run the Selenium WebDriver automation framework. Once the script got over, framework used to send the automation reports over email.
* Involved in ANT configuration for running servers and scripts after the build.
* Contributed to the Continuous Integration pipeline running component builds, creating and running Deployment jobs on individual stages on Jenkins, and running automated and manual functional tests.
* Integrated the test suites to Jenkins to execute them automatically after every successful deployment.
* Performed back-end testing on Oracle and SQL Server databases by writing SQL queries to make sure the contents displayed on the UI correct as per requirements specifications.
* Conducted test on Web services transactions like automatic bill payment, wire transfers, batch payments and account transfers sent over HTTP or HTTPS by inspecting every XML request and response using SoapUI.
* Recorded JMeter user scripts implementing parameterization both manually and by data driven wizards in JMeter.
* Performed defect reporting and bug tracking using JIRA and also followed up with development team to verify bug fixes, and update bug status.
* Used Selenium WebDriver used to test search results of Meta search engine.
* Responsible for collecting and analyzing the test metrics and then submitting the reports, which kept track of the status and progress of the testing effort.

**Environment:** Java, Selenium WebDriver, Eclipse, Junit, ANT, Jenkins, SoapUI, Internet Explorer, Google Chrome, Firefox, Git, TDD, Agile, Quality Center, SQL, Oracle, Windows and UNIX.

**Client: RSRIT/ Citizens Bank, Cincinnati, OH Apr 2011 – Nov 2012**

**Description:** Citizens Financial Group has $ 164 billion in assets, making it the 8th largest commercial bank holding company in the United States of America. The application facilitates a client’s home equity loan application, and according to the client information will evaluate and advise them on various interest rates available that will cater to client needs. It is responsible for keeping track of client information and record that will be used later for evaluation purposes.

**Role: QA Analyst**

**Responsibilities:**

* Performed agile testing, review the stories and participated in Daily Scrum, Iteration Planning and Release Planning meeting and used Rally Tool
* Participated in all phases of the Software Testing Life Cycle(STLC)
* Involved in the design and development of test plan from business and Functional requirements which includes test objectives, test strategies, test environments etc.
* Participated in peer review with team and developers to review test cases/test scripts.
* Performed System, Integration, Smoke, Functional, End to End, Positive and Negative and monitored the behavior of the applications during different phases of testing using testing methodologies.
* Regression testing was performed after each build release of the application and updated the Scripts by executing the Regression suites built using Selenium and approve for regression suit.
* Created Selenium Test cases for automation using Selenium Web Driver and Java
* Used Hybrid Framework of Selenium to get data from Excel.
* Build a detailed, reusable, Script – free Keyword + Data – Driven framework for over 45% Test cases using Selenium WebDriver + TestNG.
* Parallel, Cross – Browser Testing using Selenium Grid and TestNG.
* Performed back end testing by writing and executing SQL queries to validate that data is being populated in appropriate tables and manually verify the correctness of the data with front-end values.
* Interacted and worked with the development team to analyze the defects and reported them in Quality Center and tracked them for closure.
* Interacted with users by conducting User Acceptance Testing (UAT) to ensure that the total functionality of the application was met by complying with all the business requirements.
* Participated in weekly QA status and project status meetings to report any defects and issues encountered in the application.
* Actively communicate with the end users and business users to create realistic test cases.
* Provide test summary documentation and analyze test results, identifying trends and/or root causes of problems.
* Developed training materials, system maintenance and operating manuals for the QA environment and used the same to train the users.

**Environment:** Java, J2EE, Selenium IDE/WebDriver/ GRID, Web Services, SOAP, SOAP UI, REST, TEST NG, HTML, Java Script, CSS, AJAX, HP Quality Center, JXL, Agile Methodology, Rally, SQL, Oracle.