Bhupinder Kumar Sharma – **Technology Lead - US - Practitioner** (SDET)

**Contact No: 9493729846** **Current Location:** Irvine, USA

**Email id: Bhupinder.7575@gmail.com** **Role Designation and Job Level: Technology Lead - US - Practitioner**

**PROFESSIONAL EXPERIENCE:**

* **QA Automation Solution Engineer with 9 years of experience** in all phases of Software Testing Life Cycle (STLC); Developing Test Strategy, Test Cases, Test Plan and Automation test scripts using **Selenium, UFT (LeanFT), Web APIs, Coded UI, WinAppDriver**. Diversified experience in Automation, .Net Development and Business Analysis methodologies.
* Expertise in Entire **Software Development Life Cycle (SDLC)** and **Test Development Life Cycle (TDLC) in Agile** as well as **Iterative** development environments**.**
* Experience in preparing Test strategy, Test plan, Test methodology, Test scenarios, Test summary reports, Test cases and Test documents along with **Automation testing** based on User requirements, System requirements and Use case documents.
* Planning, coordinating and performing Functional Testing, Regression Testing, System Integration testing, and End to End Testing.
* Worked with developers to update the defects, resolve them and track their status using JIRA.
* Experience in developing the Automation framework using .Net C# programming using OOPS concepts, Selenium, TestNG, UFT, LeanFT, CodedUI, WinAppDriver , Web APIs.
* Wide exposure in Software Development Life Cycle (SDLC), Functional, Regression, Integration, Re-testing, Security Testing, End-to-End Testing.
* 5+ years of development knowledge of **.Net C# and Object-Oriented Concepts** (Inheritance, Polymorphism, Exception Handling, Multi-Threading and Collections).
* Working knowledge of behavior Driven Development (Features, Scenarios, Step definitions) with **Cucumbe**r.
* Experienced developing automation scripts based on **BDD** (Behavior Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkins format.
* Created test cases in **HP ALM, HP QC** extended the test case writing by setting Configurations
* Links test cases and requirement in **ALM** for requirement coverage matrix.
* Extensive working experience in **Tricentis qTest** tool for writing, executing and requirement traceability between **JIRA to qTest**.
* Experience in testing and handling different frames (frames, iframes) of a HTML page with having different DOM's for every iframe.
* Experience in handling multiple windows, Pop-ups and dialog boxes (windows security) with **Selenium**.
* Performed continuous integration of code and scripts using Jenkins, Bamboo and TestNG. Configured and launched builds using Jenkins jobs and analyzed the Test Results from Jenkins UI.
* Experience with Bitbucket, GIT and Jenkins.
* Strong expertise on Automation using Selenium Web Driver, SOAPUI and continuous integration using Jenkins.
* Involved in Web services testing using **SOAPUI**/Ready API Tool. Validated request and response XML. Added **assertions** to validate the XML in Web services **SOAP** and **RESTFUL** service.
* Performed testing on web services using **SOAPUI** and Expertise with **XML** web services and SOAP.
* Tested **RESTful** API for **XML** & **JSON** responses while comparing the Database Tables.
* Experience with Parameterization using **TestNG** XML and Data Providers to work differently with a different set of data with TestNG, Selenium along with Page Object Model (**POM**).
* Working knowledge with functional testing **Cross Browser Testing** using **Selenium** to check that the web and IDM application works as expected in different browsers.
* Experience in Selenium synchronizations with conditional (**Implicit, Explicit**) unconditional wait statements.
* Experience in working with **Selenium Grid** which is a part of the Selenium Suite to specialize on running multiple tests across different browsers, operating systems, and machines in parallel.
* Experience using Continuous Integration tools such as **Jenkins** Build Server and **Bamboo** to manage different versions of the source code.
* Experience using project management tools such as **Jira,** **Confluence** for bug tracking, issue tracking, and project management functions.
* Extensive working experience in **UFT (LeanFT)** along with C#.Net language to automation thick client Applications such as **SAP GUI, Outlook Add ins, Excel Add Ins.**
* SAP GUI **BAPI Service Layer Automation** for standard SAP transactions using SAP and VS connector.

**TECHNICAL SKILLS:**

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| **Test Approaches** | Waterfall, Agile/Scrum, SDLC, STLC, Bug Life Cycle |
| **Testing Tools** | Selenium WebDriver, CodedUI, TestNG, Selenium IDE, Selenium Grid, JUnit, Cucumber, SoapUI, RESTful Services, UFT, LeanFT, qTest |
| **Test Build& Integration Tools** | Bamboo, Jenkins |
| **Frameworks** | Keyword Driven, Data Driven, BDD, Hybrid, Page Object Model (POM) |
| **Programming Tools** | C#, ASP.Net, JavaScript, Python, VB Script, SQL, C++ |
| **Markup Languages** | HTML, XML, XPath, JSON, CSS Selector |
| **Databases** | MySQL, SQL Server |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Edge |
| **Operating Systems** | Windows |
| **Defect Tools** | HP Quality Center, JIRA, HP QC, qTest |
| **MS Office Tools** | Outlook, Word, Excel, PowerPoint, MS Access |
| **Utilities** | GIT, Firebug, Fire Path, Visual Studio |

**PROFESSIONAL EXPERIENCE**

**Capital Group of Companies, Irvine, CA**

**September 2016 – Till Date**

**Role: SDET**

**Responsibilities:**

* Used **agile process** & worked **on in Sprint** and **regression automation** testing of the application
* Managing Jenkins executions for Automated test suites and managing execution results in qTest
* Responsible for all types of tests like Unit testing, regression testing**,** **System** **Integration testing.**
* Report and track bugs using Test management tools like HP ALM\JIRA, Confluence and working with development team to ensure applications issues are resolved and bugs are fixed for smoother production on schedule.
* Experienced in developing and executing Automated tests and validation scenarios in different platforms using C# and the Selenium library.
* Responsible for creating and updating of **Test Plans** and **Test Cases** as per Requirement Specifications and Business rules.
* Expertise in designing and implementing Java and Selenium Automation Frameworks using Data Driven, Hybrid, Page Object Model **(POM).**
* Developed **BDD** tests using **Cucumber** by writing behavior and step definitions & developed required Selenium support code in **C#** for **Cucumber**.
* Used **Jenkins** tool for continuous integration of the builds and scheduled period builds and used **Git** as object repository.
* Interacted with developers and business Users to communicate the defects and actively participated in replicating the bugs and performed regression testing using JIRA.
* Developed automation framework with Selenium implemented in Page Object Model using Object Oriented Programing Java and open source unit test framework TestNG.
* Developed a **BDD and TDD** automation framework to automate the functional testing scenarios using Cucumber Framework, **Selenium**, **C#.**
* Added assertions to validate the xml in Web Services **SOAP** and **RESTful** services.
* Experience in testing **Web Services** using SoapUI tool, validating **WSDL**, request and response xml.
* Involved in creating automation test suites for progression & regression testing in SOAPUI. The messaging formats included **SOAP** over HTTP&**REST** based clients with XML payload.
* Created automation scripts in SoapUI using Groovy Script for web services testing.
* Design, develop and Automate complex technical test scenarios, test automation frameworks and automated test scripts on Salesforce, Web, .Net, Java based applications using **C# .Net, HP UFT and Selenium Web driver**.
* Implement CI/CD framework, interact will SLM tools like **Bamboo, Jenkins using REST API, develop REST API** to integrate different tools.
* Configuration management of scripts using version control tool - Source Tree, Perforce and test management using tool - **HP ALM 12.x.** and **qTest**
* Triggering automation jobs using daily nightly jobs using Jenkins Jobs through Bamboo Builds.
* Headless execution for web browser based TCs.
* Preparing Technical specification document and **Effort estimation/ROI** on implementation includes the automation approach for each application.
* Designing Framework for the automation of application that includes basic needed classes, methods, Input & Output Entities.
* Extensive experience working in **qTest (Tricentis)** tool to trace requirements and test executions.

**Tools and Framework used: Selenium Web Driver, C#, ASP.Net, JavaScript, Cucumber, Jenkins, HTML, XML, JSON, GIT, Java Script, Groovy Scripting, CSS, TestNG, Jira, GIT, Web Services, SOAP UI, SOAP and Restful, UFT (LeanFT), Postman, Visual studio 2017/2015, Perforce, JIRA, Confluence, qTest.**

**Microsoft, Chennai, India**

**Feb 2015 – Dec 2016**

**Role: SDET & .Net Developer**

**Responsibilities:**

* Developed automation test scripts in **Selenium** based on the manual scripts using Microsoft automation tool Microsoft Test manager and CodedUI for Dynamic CRM 2013/2015 Application.
* Directly working with Microsoft counterpart for code review and technical designs for development and automation possibilities and approach.
* In depth understanding of Object-Oriented Programming and skilled in developing automated **test scripts in Selenium.**
* Designed data-driven testing framework in **Selenium** and captured data dynamically from web controls.
* Creating and executing scripts in Selenium automation using Selenium WebDriver and Python and used **Visual Studio 2013** Test to automate test cases.
* Design develop and implemented Page Object Model Pattern based Keyword Driven automation testing framework utilizing **Selenium Web-Driver**.
* Hands on experience using MS **Visual Studio**, doing backend testing using Python scripting, Java script etc.
* Development of dynamic scenarios using C#.Net language, JavaScript, Web Services, Plugins.
* Used **SOAPUI** (use of groovy script) for test data setup in Test Driven Development.
* Identified software capability and reliability by conducting **functional, system, and regression and performance testing.**
* Documented and reported test outcomes by collecting, analyzing, interpreting and summarizing data to development team.
* Customization changes using **JavaScript** and tools **Ribbon Workbench**, and Visual editor etc.
* Deploying development solutions and build using octopus’s deployment tool.
* Unit testing in SIT environment and build support during production deployment.
* Interaction with client on regular basis regarding requirement implementation with changes/suggestions.
* Knowledge transfer to new joiners and making them comfortable working with CRM.

**Environment: Agile, Selenium (WebDriver and GRID), JavaScript, TestNG, API Testing, Windows, Jenkins, SOAPUI, Visual Studio 2013/2015, GIT, API Testing, TDD, HTML, XML, XPath, Web Services (SOAP & RESTFUL), JavaScript, Firebug, SQL, Dynamic CRM 2011/2013/2015, Microsoft Test Manager.**

**Project Title: Dynamic & OEM CRM 2011 Technical & 2015 Upgrade**

**Microsoft, Chennai, India**

**July 2012 – Feb 2015**

**Role: .Net Developer**

**Tools: - Visual Studio 2013, SQL Server 2012, Plugin Registration Tool, Beyond Compare, Microsoft Test manager.**

**Responsibilities:**

* Participating in requirement gathering discussions with client.
* Preparing effort estimations and technical specification document.
* Development of tasks in C# using visual studio 2013.
* Customization changes using JavaScript and tools Ribbon Workbench, and Visual editor etc.
* Deploying development solutions and build using octopus’s deployment tool.
* Unit testing in SIT environment and build support during production deployment.
* Interaction with client on regular basis regarding requirement implementation with changes/suggestions.
* Knowledge transfer to new joiners and making them comfortable working with CRM.
* Participating in business requirement with client, discussing feasibility and estimations.
* Finalizing requirement scope and preparing technical specification document.
* Developing tasks by working closely with plugins and workflows in visual studio 2012 using C#, JavaScript languages and Plugin registration tool, Ribbon work Bench tools.
* Participating in deployment activity to SIT environment and testing changes.
* Interacting with client and across all vendor teams to discuss requirement changes/suggestions.
* Raising bugs present in system found during testing and fixing & deploying those in SIT.

**EDUCATION:**

* Bachelor of Technology in Computer Engineering in 2012 from Punjabi university Patiala, Punjab, India.

**Certifications / Professional Awards:**

* Certified in C# 70-483.
* Agile methodology certification
* Certified in SharePoint.
* Certified in SAP HANA.

Bhupinder Kumar.

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