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**Current location: St. Louis, MO**

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***Professional Summary***

* **9+ years** of immense experience in IT Industry with emphasis on **Software Quality Assurance**, QA implementation, Manual and automation testing of Web-based, Desktop and Client/server application in various Domains.
* Good Knowledge in Software Development Life Cycle (**SDLC**) and Software Testing Life Cycle (**STLC**) on **Waterfall model and Agile Environments**.
* Expertise in designing automation frameworks and creating scripts using Selenium WebDriver tool to cater both Functional and Non-Functional requirements.
* Strong experience in Manual and Automation Testing of client Server and Web-Based Applications.
* Expertise in preparing Test Plans, developing, reviewing, and executing Test Cases and Test Scripts based on Functional Requirements, Business Requirements and Use Case Documents.
* Experience in Smoke Testing, Functional Testing, Integration Testing, GUI Testing, Regression Testing, Load/Performance Testing, System Testing, User Acceptance Testing, Mobile App Testing.
* Built Automation framework using **Selenium WebDriver, Protractor, Rest Assured and Cypress using BDD.**
* Good Experience in **MAVEN** to create projects, **JAR** files, **POM.xml** with artifacts and dependencies.
* Expertise in Automation Testing, Page Object Module, Data Driven/ Modular Framework in Selenium WebDriver using Java.
* Experience in working with open-source tools Selenium (**Selenium IDE, Selenium RC, Selenium GRID and Selenium Web Driver) TestNG**, **Eclipse** and preparation of automation test framework.
* Experience in Test Management, Bug Tracking Tool and Defect Reporting Tool like **JIRA** for analyzing requirements, documenting, and executing test cases, submitting bugs, defect tracking and status reporting.
* Good experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
* Experience in conducting batch testing and data-driven testing using parameterization to test applications with different sets of data.
* 2 Years of Experience testing web services (**SOAP/REST/JSON**) using tools like SoapUI.
* Experience in performing Cross-Browser Testing using **IE**, **Chrome**, and **Firefox**.
* Strong SQL skills and experience with databases like **MySQL**, **Oracle**.
* Knowledge of **.NET, data models**, **HTML** and **XML**.
* Good experience in Web UI Testing using Selenium Web Driver, **Protractor, Cypress** UI Testing with **Cucumber BDD** Framework.
* Working knowledge on CI/CD Integration in **Jenkins** and monitoring pipelines in lower environment.
* Ability to work closely with business analysts, project managers and developers to understand requirements and business processes for testing.
* Quick learner, strong work ethics and willingness to work hard to achieve employer objectives.
* Excellent interpersonal and communication skills and ready to take an independent or team challenge.

***Technical Skills:***

|  |  |
| --- | --- |
| **Test Management Tools** | HP/ALM, Test Director, Quality Center, Jira, Rally |
| **Functional Testing Tools** | Selenium, REST Assured, Cypress |
| **Testing Methodologies** | AGILE (SCRUM), WATERFALL, CI/CD |
| **Languages/Web Technologies** | C#, Java, .NET, JavaScript |
| **Databases** | PL/SQL Developer, Oracle, SQL Server, MongoDB, SSMS |
| **CI/CD** | Jenkins, Azure DevOps/TFS  |
| **SCRUM Tools** | Rally, Azure DevOps, JIRA |
| **Other Tools** | UNIX, WINDOWS, Linux, Mac iOS, Git Hub, Outlook, MS Office, and MS Visio |

***Education:***

* *Master of Science in Computer Science,* **Governors State University**
* *Bachelor of Technology in Electronics and Communications Engineering,* **Jawaharlal Nehru Technical University.**

***Organizational Projects***

**Charter communications, St. Louis, MO Mar 2023 – Present**

**QA Web Services Automation Developer:**

Charter Communications, Inc. is a leading broadband connectivity company and cable operator through its Spectrum brand. Responsible for automation implementation of OIS services from testing perspective. Big projects- automate a piece of the major services and get them automated because it is configuration based.

* Responsible for writing automated test cases for both UI and **API** applications for an enterprise level customer based on java and rest assured test framework.
* Performed End to End testing using BDD framework with **Cypress.**
* Work with the development scrum teams and the business analysts to get requirements for test creation.
* Manually test the various navigation steps and basic functionality of the application.
* Use Selenium for automating their OIS application (4 modules), TestNG to make sure tests are running correctly on the API application as well as **Rest Assured**.
* Created web **UI** tests using **Cucumber, Gherkin** and **Cypress** Automation.
* Experience in parallel testing using **Cypress.**
* Use Credit as a test harness, which is used as the eyes into the OIS APIs.
* Involved in creating dashboards to provide historical automation statistics.
* Update the weekly status on automation progress.
* Use **GIT** for Source code management and code sharing.
* Performed back-end testing by writing **SQL** queries.
* Responsible for developing the tests, building Jenkins jobs to run the tests, enhancing reporting, creating tools for the organization to automate complex time-consuming tasks.
* Apply robust **Page Object Model** (**POM**) on new builds and every modification in the application for Selenium WebDriver to do Smoke & **Regression testing**.
* Designed End-to-end user behavior scenarios and implemented them by coding dependencies in **JAVA**, between preexisting unit tests within TestNG framework.
* Involved in testing both SOAP **and REST services** using Rest Assured and testing both **XML** and **JSON** formats.
* RESTFUL web service Testing using Rest Assured framework java. Validate JSON formatted data, different http status code like **200, 201, 400, 415, 500** etc.
* Use java and **HTTP** Client to automate Backend Rest Service layer.
* Implemented real device mobile app testing using Test Object on the cloud.
* Used Appium to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Set up **Jenkins**, GIT, and Maven to work together and provide smooth continuous integration.
* Created pom.xml in APACHEMAVEN and ran the builds using Continuous Integration tool Jenkins.
* Create XML based test suit and integrated with Jenkins Server to execute automation code on a regular basis by scheduling Jenkins jobs in different test environments with different test configurations.
* Continuous monitoring of jobs and analysis of the failures of Jenkins Environment.

Environment: IntelliJ, Selenium, Java, Jenkins, Cypress, Gherkin, Bit bucket, SQL Developer, SOAP UI, Swagger, Splunk, JIRA.

**Charles Schwab, St. Louis, MO Oct 2021 – Feb 2023**

**Quality Assurance Tester:**

The Charles Schwab Corporation is an American multinational financial services company. It offers banking, commercial banking, investing and related services including consulting, and wealth management advisory services to both retail and institutional clients. Project is related to the DOL (Department of Labor) changes to advise rules. And tasked with changes to both the TDA and client Salesforce application. Be a part of the TDA Salesforce team tasked with changes to a Salesforce.

application.

* Works closely with software developers to create software artifacts including test plans**, test cases**, test procedures and test reports.
* Write reusable code/scripts and proficient in **JAVA** language applied to a wide variety of tasks, automation framework.
* Use versioning tools like **GIT** and work with the concepts of **Pull requests**, Code reviews, etc.
* Understanding of architecture of **Salesforce application** and general client-server model.
* Perform Continuous Integration / Continuous Delivery concepts (**CI / CD**) with CI tool **Bamboo**.
* Understand, and implement agile development methodologies and work with a team using the **Sprint/Scrum** methodology of **agile**.
* Apply Core Java, development by applying different concepts like **OOPS concepts**, Collections, Strings, Exception handling, Multithreading, etc.
* Implement the **Page Object Model** (POM) by creating an element for each page object and reuse all the objects in various scripts.
* Work with **Sauce labs** for running multiple tests across different browsers, operating systems,
* and machines in parallel.
* Developed **Automation scripts** on **Cypress Automation Framework** using **JavaScript** and worked as well on **TestComplete Automation Framework** using **WebDriver.**
* Write good quality Object-oriented code for testing purposes by following industry standard java coding standards.
* Involve in the usage of **BDD framework** to Develop **Cucumber Step Definitions, Scenarios and Features using acceptance criteria**.
* Handle **Selenium Synchronization** problems using Explicit &amp; Implicit waits during **regression testing.**
* Write complex **XPATH** using following and preceding and using functions like contains and not contains.
* Use runner classes in cucumber to generate step definition and used tags to run different kinds of test suites like **smoke**, health check and regression.
* Designed Manual and Automated Tests, created Automated test cases, test plans and executed tests using **JIRA**, Selenium.
* Testing services / APIs with Postman and **Cypress / Rest Assured.**
* Create and review - Test scenarios, Test suite preparation, Test Data creation, Test case execution and **Defect logging**.
* Preparation of Test scripts using Selenium Web driver (Automation tool) with java for Functional Test cases.
* Design and develop base classes, framework classes and common re-usable components.
* Use various Java and J2EE including XML, Servlets, JSP, and JavaBeans.
* Maintain Selenium & JAVA automation code and resource in source controls **GitHub**, over the
* time for improvements and new features.

**Environment:** IntelliJ, Selenium, Java, JavaScript, Sauce Labs, Cypress, Bamboo, Bit bucket, JIRA.

**Nationwide Insurance, Brea, CA March 2020 – Aug 2021**

**Test Automation Developer:**

*UI: Salesforce* **–** Nationwide Pet Insurance application: Project is on SQT Lightning which is about quoting on pet species of different ages with different plan parameters for all states in USA which includes enrolling and maintaining in different environments and payment methods. Working on existing application along with complete ‘Redesign on SQT’.

* Design and write programs that run automatic tests on new or existing software – an essential part of the software development cycle.
* Responsible for driving the software development process towards quality-centric methodologies such as continuously writing, testing, and fix the written code.
* Possess String object-oriented design and coding in automated testing frameworks, tools, and services.
* Use **“executescript”** & “executeAsyncScript” methods, to run **JavaScript** in the context of the currently selected **frame or window**.
* Write acceptance steps following the application specification for automation testing in feature file of cucumber tool.
* Organize scenarios related to a feature in a single feature file such as login, enrollment etc.
* Build up test packs for features and activities, create a set of regression tests run only the tagged tests that can be maintained easier than individual stories.
* Execute Scenarios parallelly or together in a group.
* Use **IntelliJ** with all Plugins like Cucumber, Webdriver, **Gherkins** and **Page Object Model** Framework for the consistency of UI automation tests, to avoid code duplication, to improve readability and to organize code for web pages interaction.
* Run cross-browser tests where we want them, on Selenium-compatible grid.
* Glue every Gherkin step to a step definition method that executes the step.
* Integrate **Cucumber-JVM** with testing packages and glue English text of a step using annotations and regular expressions.
* Handle **Java** by Cucumber-JVM to perform black-box and functional tests.
* Constantly use Condition statement and looping statement, Exception Handling, Methods of String class, List and Set, Upcasting and Runtime Polymorphism, OOPs concepts.
* Re-use or customize these implemented step definitions to create End 2 End Scenario for Integration and regression testing.
* Work with IT, QA, and DevOps teams to automate test cases and integrate them with scheduled auto deployment pipeline to increase test coverage and leverage nightly builds.
* Used **Jenkins** to automate the build and deploy process.
* Possess superior debugging abilities to discover the causes behind the ineffective code, breakdown of test cases, memory leakages etc.

**Environment:** IntelliJ, Web driver, BDD Cucumber, POM, Java, Task scheduler, PL SQL developer, Jenkins.

**Home Care Home Base, Louisville, KY Feb 2019 – Feb 2020**

**QA Automation Engineer:**

Homecare Homebase provides a fully integrated software-as-a-service application for homecare and hospice agencies. This cloud-based software solution automates all business processes for new, measurable efficiencies, weaving together every aspect of the homecare agency in an enterprise-wide solution for smoother operation with help from healthcare software developers, customer experience specialists, financial gurus, and dedicated caregivers.

* Implement and develop automated test practices for both web and windows applications primarily using **Visual Studio’s Coded UI** module for both web and windows applications.
* Mapping of new elements on HCHB windows application with using **Microsoft UI Verify Tool** and Locators by Name, ID, and other entities.
* Use In/house Win forms tool to create new end to end **UI tests** for windows-based applications – create new scripts, entities, scenarios, and assertions.
* Create new end to end test scripts for web-based applications that are built on **ASP.NET** as well as Angular using **Selenium** and **Protractor**.
* Assumed full responsibility for the DevOps role. Launched QA/DEV/Demo/Pre-Prod environments using AWS. Configured OS, size, firewall, VPN, IP and added third party or custom applications. Ensured services were up and running.
* Work on maintaining the dictionary **Core Automation** class file in which all the commonly used automation methods, actions are stored to reuse.
* Design and create test scripts using **C#** and/or [**.NET**](http://vb.net/) to address areas such as database impacts, software scenarios, regression testing, negative testing, error or bug retests, or usability in preparation for implementation.
* Use **Microsoft SQL Server Management Studio** to work on creating restores of temp databases to facilitate the team in using valid test data during the development and testing cycles.
* Write Test cases in excel spreadsheet template.
* Work on regression testing during the **Program Increment (PI)** to ensure that new changes are consistent with the existing application.
* Work within a Scrum team as an active member contributing to the refining and completion of stories for the purposes of maintaining, improving, or creating both client/server and **web applications.**
* Extensive knowledge of health exchange**, Medicare, and Medicaid.**
* Participating in daily stand-up meets and sprint meetings also contribute share in product backlog refinements.
* Identified mobile elements using Appium Inspector, UI Automator Viewer.
* Create both **manual** and **automation tests** appropriate to meet the needs/requirements of the defined stories of a given **Sprint/Program Increment** to assure quality of the application under test.
* Create manual test cases with all positive and negative scenarios and identify to automate to a wide range to reduce the existing manual effort.
* Plan test schedules or strategies in accordance with **project scope/delivery dates**.
* Report clearly and concisely any defects discovered in testing to the team.
* Responsible for deploying source code constantly upstream to Training Environments, Pilot and Production.
* Responsible for testing Hot Fixes and **deploying Hot Fixes** across environments to any issues that are found in **production or training environments** in **Azure DevOps**.
* Contribute proactively to any new framework that might be in scope.

**Environment:** .NET, SSMS, Azure DevOps, GIT, Microsoft UI Automation, C#, Script, Selenium, and T-SQL, Windows.

**United Health group (Optum Technology), Phoenix, AZ Oct 2018 – Feb 2019**

**Quality Engineer:**

UHG offers different packages like Electronic Statement, Electronic Claims, Billing, and Eligibility Verification. Hence, we facilitated enhancement to their online claims and over the phone features. It’s the agency that provides various insurance services (Life, Health, Dental and Vision) to employees, retirees, and their dependents. The agency has multiple Insurance providers with multiple plans and options. This project is about automating databases using Java technology.

* Worked in an agile environment with frequently changing requirements and features set.
* Prepared Test Plans, Test Scripts and Test Cases based on requirements specifications and user requirements.
* Involved in weekly meetings and standup meetings, to verify the status of the testing effort and the project.
* Used **Java** language and **TestNG** framework for scripting.
* Good Understanding of the EDI (Electronic data interchange), Implementation and Knowledge of HIPAA code sets.
* Designed and documented **REST/HTTP**, **SOAP APIs**, including **JSON** data formats and API versioning strategy.
* Effectively participated in every day agile scrum stand-up meetings and participated in Iteration planning and retrospective meetings.
* Performed Back-End Testing, database table manipulations of relational database systems by writing complex **SQL queries** manually.
* Prepared the data to cover various scenarios and wrote **SQL scripts** to verify the database updates, inserts and deletion of the records.
* Created test cases in Cucumber, extended the test case writing by setting Configurations, Parameterization, linking requirements, linking failed defects etc.
* Validate **EDI Claim Process** according to **HIPAA** compliance using **Ultra Edit**.
* Running Build acceptance and Regression testing on a regular basis (for each new build)
* Expertise in writing Selenium **WebDriver,** **TestNG** automation scripts in **JAVA.**
* Performed Integration and Regression testing to check compatibility of new functionality with the existing functionalities using **Selenium**.
* Writing Test cases using Element locators, Web Driver methods, Java programming features and **TestNG** Annotations.
* Developed Selenium Automation framework - Created a hybrid framework (Keyword and Data driven) on Selenium using **TestNG**.
* Maintained **Selenium& JAVA** automation code and resource in source controls Git over the time for improvements and to add new features.
* Have Strong Knowledge on Object Oriented Principles **(OOPS**) and have extensively used **CORE JAVA** concepts such as **Multi-Threading, Exception Handling, Collection Framework, JDBC and expert in handling with FILES and performed I/O operations**.

**Environment:** JBoss, Gherkin, Junit, SQL, XML, Java, TestNG, MSWord, MS Excel, UNIX, Windows.

**Sony Interactive Entertainment - San Diego, CA Jan 2017 – Sep 2018 Senior QA Engineer /Selenium**

Sony Interactive Entertainment is a multinational video game and digital entertainment company and is a wholly owned subsidiary and part of the Consumer Products and Services Group of Sony Corporation. Sony Interactive Entertainment handles the research and development, production, and sales of both hardware and software for the PlayStation video game systems.

**Responsibilities:**

* Conducted Functional testing, Regression Testing using selenium with Data-driven framework and **BDD**.
* Created automation test scripts using data driven framework and Page Factory model to test the web applications using **Selenium WebDriver** with **JAVA** and **maven**.
* Expertise in using **Selenium Grid** to run test scripts on different platforms and against different browsers in parallel to save time.
* Used Jenkins to execute the test scripts periodically on Selenium Grid for different platforms like desktop, tablet and mobile.
* Performed Cross browser testing and parallel testing on Chrome, Firefox and Safari using **TestNG** and **Maven** on **Selenium grid**.
* Utilized **Maven** to manage dependencies for test execution, plug-ins and created profiles of grouped test cases to run sanity and regression testing.
* Integrated **Jenkins** with version controller (**GIT**) and scheduled builds to run automatically during a build release by invoking predefined maven commands.
* Involved in the usage of **BDD framework** to develop Cucumber Step Definitions, Scenarios and Features using acceptance criteria.
* Utilized **Apache POI** jar file to read test data from the excel spread sheets and load them into required test cases.
* Handled **Selenium Synchronization** problems using Explicit & Implicit waits during regression testing.
* Experience in writing complex **XPATH** using following and preceding and using functions like contains and not contains.
* Implemented **SOAP UI** tool to test SOAP based architecture application to test SOAP services and **RESTAPI**.
* Used the Rest Assured java library to automate **Restful Web services**.
* Good experience in mobile testing using **Appium** in both IOS and Android applications using simulator and emulator. Used Appium to facilitate mobile testing by creating mobile Driver class with the required Mobile capabilities.
* Involved closely with developers in Development of **UI** modules using **HTML, JSP** and **CSS.**
* Shared Daily Status Reports with all the team members, Team Leads, Managers.

**Environment:** Selenium WebDriver, Cucumber, HP QC, Eclipse, JIRA, MySQL, Oracle, Java, SOA, Protractor, TestNG, Firebug, Xpath, Windows.

**ICICI BANK-Hyderabad, IN July 2013 - Dec 2015**

**Quality Analyst**

Online banking provides client to login, to view account information such as account summaries, account details, monthly statements, balance transfers, accrued interest, check ordering, loan application, to apply credit cards, financial services and gives opportunities to perform online trading of securities stocks and bonds.

**Responsibilities:**

* + Analyze business requirements and work closely with developers to deliver high quality software.
	+ Translate system requirements into test scripts and test cases.
	+ Created and maintained Manual Test Scripts and Test Cases based on High Level **Functional Requirements Document (FRD)** utilizing **QC/ ALM** for manual, automated (**Functional & Regression**), **Security and performance/stress testing**.
	+ Analyzed requirements during the requirements analysis phase of project. Kept track of the new requirements from the Project.
	+ Involved in the analysis of business requirements, and wrote test plans, test cases for the **smoke, GUI, functional, security, database, and integration testing**.
	+ Followed the Procedure of the company in writing Test Plan and Test Cases using Business requirements document and Functional requirements document.
	+ Executed SQL queries, Joins and Performed Backend testing and ensured the retrieval of the data from the database. Validated Reports and statements.
	+ Attended Demos and met with Client for User Acceptance and providing QA Signoff on the testing.

**Environment:** Agile (Scrum), Java, HP QC/ALM, Jira, JMeter, JUnit, WebLogic, Agile, HTML, XPath, Waterfall, Postman, Firebug, Oracle SQL.