**Nivedha**

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Detail oriented and result focused **Software Development Engineer in Test** with **over 6+** years of professional experience in Ecommerce, Health and Telecommunications domains**.**

**PROFESSIONAL SUMMARY:**

* Extensive experience in software quality assurance, **SDLC** methodologies including, **Agile** and **SCRUM**. Proven skills in global resource coordination/management, framework development, requirements gathering and documenting functional specifications. Highly motivated and efficient Team Player, with excellent Interpersonal, Communication and analytical skills.
* Well versed with different development and testing technologies Java, JavaScript, JDBC, Servlets, HTML, CSS, SQL, Selenium WebDriver/RC, Selenium Grid, Git, Jenkins, Webservices testing (SOAP and REST) & Scrum based Agile engineering practices.
* Experience in working With E-commerce, Health and Telecommunications domains as Manual and Automation Tester**.**
* Experience in all phases of **Software Development Life Cycle (SDLC)** with a strong understanding of analysis, development and testing of applications in the project.
* Working as **SDET (Software Development Engineer in Test)** using Automation testing.
* Experience in SQA (Software Quality Assurance) including Manual and Automated testing with tools such as **Selenium RC/WebDriver/IDE/Grid** and **JUnit/TestNG**, **Maven,** **Jenkins**, **Cucumber**, **Quality Center, JIRA** and **SOAPUI**.
* Skillful in functional testing using Selenium IDE/ Web Driver using Test NG testing framework.
* Experience in developing/maintaining **Test** **Frameworks** for **Automation** using Selenium and Java (**Page Object model, keyword Driven, Data Driven models).**
* Worked on **BDD Cucumber/ Gherkin** format for test scenarios using acceptance criteria.
* Key expertise includes testing and debugging GUI and Multi-Applications environment**.**
* Proficient in Testing **SOAP and RESTful Web Services using SoapUI.**
* Sound knowledge on **JUnit**, **TestNG** framework for **Unit testing**, **Maven** for Project **building tool**, **Jenkins** for **Continuous Integration**.
* Experience in Integrated Automation scripts (Selenium WebDriver API) on **Continuous Integration tools Jenkins for** nightly batch run of the Ruby Script. Created Project plan on **Jenkins.**
* Performed **API Testing using Test NG, Java, XML and JSON Parsers.**
* Experience in GUI and **Functionality Testing**, **White Box testing**, **Black box Testing,** **System testing**, including **Integration**, **Performance**, **Stress**, **Load** and **Regression Testing** of Web and Client/Server based applications.
* Performed mobile Testing on Android and iOS iPhone Devices.
* Extensive experience in preparing **Test Strategy**, **Test plan**, **Test scenarios**, **Test cases**, and **Test Scripts** based on User requirements and System Requirements Documents for Functional, Security, Performance, Configuration, Regression, Integration and Usability Testing.
* Experience on **Data Driven, Page Object Model in Selenium WebDriver** and **TestNG**.
* Excellent knowledge in writing unique **XPath** using **firebug and fire path to** identify web elements.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using **JIRA.**
* Experience in Back-end Server side testing, data validation and database testing against Oracle, SQL server using PL/SQL queries.
* Experience with data analysis, analyzing, documenting business requirements and data specifications.
* A good team player, detail oriented, self-motivated individual with strong analytical skills.
* Excellent interpersonal and communication skill. Good documentation and process management skills with ability to effectively understand the business requirement to develop a quality product.

**TECHNICAL SKILLS:**

**Languages:** C, SQL, Java, HTML, CSS, JSON, JavaScript

**Databases:**   Oracle, MySQL

**Web Services:** SOAPUI, RESTful Services, POSTMAN

**Testing Tools:**Selenium IDE/WebDriver, Appium, TestNG, Cucumber

**Build Tools/Coverage Tools:** Jenkins, Maven

**Bug Tracking Tools:** JIRA

**Servers:** Apache Tomcat

**Testing Methodologies:** System Testing, Acceptance Testing, Functionality, Regression, Build Acceptance Testing

**IDE’s:** Eclipse

**Platforms:** Windows, iOS, UNIX, Linux

**Version Control/Desktop Applications:**   Git

**EDUCATION:**

Completed Bachelor of Engineering, Electronics and Communication, Anna University (Panimalar Engineering college) -2016

**PROFESSIONAL EXPERIENCE:**

**Target, CA**

**Duration: April2021– Jun2023**

**Software Development Engineer in Test**

**Description:** Target Inc. is retail chain stores selling various Electronics, Foods. Clothing, Sports items etc. in-store, online or through mobile channel. The project is online portal, E-commerce implementation, enabling it to sell its products online to the customer and have features both external and internal users.

**Responsibilities:**

* Debug software products using systematic tests to develop, apply and maintain quality standards for products.
* Develop, modify and execute software test plans, automated scripts and programs for testing.
* Analyze and write test standards and procedures.
* Provide expertise on software testing architecture, testing framework, automation framework, tools and technologies.
* Identify and implement a sustainable test automation framework. Design automated tests, troubleshoot issues, and implement scalable test automation framework and solutions.
* Integrate test automation suites into a continuous integration/continuous deployment system. Constantly evaluate test automation strategy and approach to identify areas of improvement- test automation frameworks, dynamic data collection methodologies, coding standards, components and object repository methods.
* Establish goals and objectives for appropriate testing cycles.
* Execute both manual and automated test scripts. Convert existing manual test scripts into automated scripts.
* Utilize design patterns to build automation test cases.
* Utilize new testing frameworks and plan to migrate the current tests to the new framework.
* Simulate production environment by building a test harness to test and monitor complex use cases.
* Implement test processes on projects, writes test plans, procedures and scripts, and analyzes test results.
* Produce reports and documentation for all automated testing efforts, results, activities, data, logging and tracking.
* Collaborate in an integrated Agile Software Development team, providing consistent communication and feedback amongst Developers, Testers and Product Owners.

**Environment: Java, Selenium Web Driver, Eclipse, Appium, SDET, TestNG, Quality Center, REST, Jenkins, Maven, Apache HTTP client, Log4j, TDD, Agile, XML, xpath, Web Services (SOAP & RESTFUL), HTML, JavaScript, Firebug, MYSQL, UNIX, Windows, JIRA, Cucumber, Jira.**

**Health Net, Oakland, CA**

**Duration: Dec2019 –Feb2021**

**QA Automation Engineer**

**Description**: Worked on development of Healthcare Portal for Patients and Healthcare providers. This portal provides various options to view and update Patent history/treatment and scheduling appointments and viewing various test results. Look up a claim status, find a doctor, Check account balances, Find costs of tests / procedures / treatment and doctor visits and Order Medications Online. It lets the customers analyze / assess their health on a periodical basis. It also suggests a lot of proactive, practical health tips.

**Responsibilities:**

* Analyzed business requirements documents to get a better understanding of the system from both technical and business perspectives.
* Studied existing application functionality and new business requirements.
* Created Selenium test cases for automation using Selenium Web Driver and JAVA
* Created parameterization tests by importing data from excel files using TestNG Data provider, JXL and Selenium Web Driver.
* Validated Restful web services using Apache Http Client, TestNG.
* Setup test environment and test data for both positive and negative testing.
* Testing application to accommodate sufficient time for developers to resolve the issues.
* Transformation of use cases to test scenarios and designing test plans and test cases.
* Used Quality Center for generating Requirements, Test Sets, and Test Plan and for reporting defects.
* Performed Smoke, Black Box, Validation and Compatibility testing of the application manually.
* Performed Regression, UAT, Integration, User Interface, GUI, and Usability Testing.
* Reviewed and analyzed artifacts throughout the SDLC.
* Worked in agile fashion in the scrum teams.
* Reviewed user documentation for accuracy of implemented functionality descriptions.
* Extensively worked for the development of test standards for script development, deployment and reuse.
* Involvement in efficient and optimum test planning with the available resources.
* Interaction with the developers for resolving critical bugs and functionality modifications.
* Using SQL extensively to validate the back-end data.

**Environment: Java, Agile, Selenium Web Driver, Fire Bug, JXL, Log4j, POM (Page Object Model), MAVEN, Eclipse, Cucumber, Gherkin, TestNG, Jenkins, HTML, CSS, XML, XPATH, Web Services, Apache Http Client, Restful, JIRA, SQL, MySQL, Unix.**

**Verizon, Irving, TX**

**Duration: June2018-Nov2019**

**Software Test Engineer**

**Description:** Verizon Telecom offers voice, data and video services to consumers, small and medium-sized businesses, and wholesale customers across 28 states in the United States of America. Its strategy is to be the customers’ first choice for communications and entertainment services. Verizon Integration Services (VIS) is an application which integrates Verizon and Third-Party Vendors - ACHECK America and Health Resources, who perform Background Check (Medical, Criminal and Education) on behalf of Verizon Telecom.

**Responsibilities:**

* Attended requirements and design meetings, review and analysis of requirements and design documentation.
* Formulated a detailed Test Plan, after analyzing business requirements and software requirements artifacts.
* Participated in Agile software testing process with regular QA meetings to discuss major features of the application, test cases to write and execute.
* Converted QTP scripts to Selenium WebDriver scripts. Used Java language and Junit framework for scripting.
* Created Data Driven Framework to test with different sets of test data.
* Designed and implemented the automation testing framework for use in validating new and existing component releases using Selenium WebDriver. Developed automation scenarios using the functional test cases aimed towards Modular Driven framework creation.
* Used Firebug/ IE Developer Toolkit and Selenium IDE to capture and validate CSS Locators, html ids to identify elements.
* Converted manual test cases to automated test scripts using Selenium WebDriver in Eclipse using Java.
* Involved in setting up test environment for automated script execution using Selenium WebDriver, and TestNG.
* Used Selenium GRID to execute test cases on multiple Operating Systems.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Jenkins.
* Performed different testing task using various test scripts on Selenium Web Driver and Junit.
* Used Firebug to identify web elements using XPath and CSS selectors.
* Executed SOAP based web services API testing (Java client and SOAPUI).
* Worked on creating test case for Object -driven framework for Selenium Web Driver.
* Performed data driven testing by using JDBC as a data source in SOAP UI and configured SQL queries to fetch data from the Oracle database.
* Used XML files in Sending/receiving XML requests using SOAPUI.
* Used Jenkins as continuous integration tool to schedule and run the automated test scripts.
* Developed automation scripts and implemented Apache POI.jar to develop Excel and HTML based test reports.
* Verified WSDL files, asserting files using various In-build assertions, performed Data Driven testing, in SOAP UI.
* Used SOAP UI tool to test SOA based architecture application to test SOAP services and REST API.
* Performed REST API Testing using Http Java Test Client for SOAP/REST web APIs.
* Responsible for Black Box, Positive, Negative, Regression, Functional Testing.
* Involved in writing SQL queries to extract the data from Oracle database.
* Worked on various technologies like SQL, UNIX in Waterfall environment.
* Used Defect Management grid of HP ALM in logging and analyzing issues.

**Environment**: **Selenium WebDriver, SOAP UI, Web Services, SOAP, TestNG, Firebug, Fire Path, Microsoft Excel, SQL, MAVEN, JAVA, JUnit, JavaScript, CSS, HTML, Firebug, GIT, Jenkins.**

**Ansh Systems, India**

**Duration: Aug 2016– Oct 2017**

**Software Engineer**

**Responsibilities**:

● Analyzed existing SDLC, model, developed project using MVC pattern

● Created web application using java and implemented web services to connect front end and database

● Designed Web pages using java for 3 projects, enhanced UI design, customized page content

● Collected, reviewed Business, Functional Requirements, Process Maps, Design Specifications.

● Carefully analyzed the Business and Functional Requirement Documents and Use Cases to understand the

application requirements.

● Created the Test Plan and Test Cases. Documented the manual test cases in the Quality Center.

● Performed Functional, Integration, Regression and user acceptance testing.

● Performed backend testing to validate database contents by writing and executing SQL Queries.

● Presented regular progress reports, defect reports and test execution reports.

● Reported the bugs to the developers using Quality Center. Interacted with developers to fix the bugs.

● Performed functional and regression testing to verify defect fixes.