ABHIGNA

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**Professional Summary:**

Software Development Engineer in Test with 8 years of experience in all phases of Software Testing Life Cycle (STLC). Developed Test Strategy, Test Cases, Test Plans and Automation Test scripts using **Selenium** and **Java**. Experienced in Automation and Manual testing while working in diversified domains such as **Pharmaceutical, Healthcare, Life Insurance, E- commerce,Financial**and **Retail**.

* Expertise in designing and developing strategic **Test plans, Test Cases, and Test Reports for manual test.**
* Preparing test cases for the system covering **SRS document, design document, reviewing them with the developers and finalizing the test cases.**
* Extensive work experience on **User Acceptance Testing, Functionality Testing, GUI Testing, Regression Testing, Integration Testing, System Testing, BlackBox Testing and End to End testing.**
* Extensive experience in Manual Testing like **Quality Center**.
* Extensively experienced in **Software Development Life Cycle (SDLC)** working on client/server and distributed web-based systems.
* Expertise in Analysis and Review of **Functional Requirements Documents and System Requirement Documents.**
* Proven knowledge in working **ATTD** atmosphere.
* Works well in an **agile** environment
* Proficient in all forms of testing including **System, Regression, Smoke, Functional, Integration and User Acceptance Testing (UAT).**
* Experienced on test methodology on **Waterfall & Agile methodology**.
* Expertise in Selenium automation using **Selenium WebDriver, Selenium Grid, JAVA, JUnit & Maven**
* Performed Mobile App Testing in both smart phones and tablets for Android like HTC, Nexus and Samsung using **Robotium/Appium**.
* Designed and implemented different automation frameworks from starch like **Page Objects framework, Keyword Driven framework, Data Driven framework and Hybrid framework** for a number of projects
* Expertise in writing **Selenium WebDriver** automation scripts in **JAVA** for highly transactional E-commerce websites.
* Executed automation scripts on different browsers/environments & reported defects/results to the team
* Proven ability in developing **BDD** scripts with **Cucumber** and writing step definitions for behavior.
* Maintained the **Selenium & JAVA** automation code and resources in source controls like CVS, **SVN** over the time for improvements and new features
* **Software Testing Life Cycle (STLC**) experiences include **Test Planning, Test Analysis, Test Design, Construction and Verification, Testing Cycles, Final Testing, Implementation and Post Implementation.**
* Exposure in programming languages and scripts like **Java, JavaScript, GIT**.
* Experience in validating Regular and Ajax control using **Selenium locators (XPath, CSS**, id and name).
* Automated the infrastructure in **AWS**using web services and Performed configuration, deployment and support of cloud services including **Amazon Web Services** (**AWS**).
* Experienced in reading the test data from excel spreadsheet using **API** and **TESTNG** Data provider.
* Experience on testing web services (**SOAP, REST**) using **SOAPUI Tools**.
* Ran the scripts for multiple users using controller in Load runner for CCT **GUI/APIregression/Load testing.**
* Generated Test Scripts and validating the scripts using Synchronization point.
* Expertise in using Bug tracking Tools **Mercury/HP Quality Center,Bit Bucket, Rational Clear Quest, Bugzilla, Rally and JIRA**.
* Experience in Continuous integration tools like **Maven, Jenkins and Tortoise SVN** Subversion client to manage different versions of the source code.
* Experience in **Behavior Driven Development (BDD), Acceptance Test Driven Development (ATDD) using Cucumber, Gherkin**.
* Wrote Features, Scenarios, Scenario Outlines, Step definitions for **BDD** in **Cucumber**.
* Experienced in making **Data Driven, Keyword Driven, Hybrid** and **Page Object Model** frameworks with **Selenium** to maintain test suite.
* Experience in configuring application framework by processing excels spreadsheets using **Apache POI**.
* Expertise in different types of testing like **Automation testing, Manual testing, Integration testing, System testing, Smoke testing, Regression testing, JUnit Testing, Black box testing, Functional testing, Database testing, GUI testing, Web / UI and (UAT)User Acceptance Testing.**
* Experienced with **SQL** and **Oracle**, to run the data integrity tests for backend testing and JDBC establish connectivity between the **Java** Programming language and a wide range of databases.
* Experience with **UAT** testing along with data setup, Environment setup and coordination between users, Development, Business Analyst and Product Management teams.
* Experience with build tools like **Ant, Maven, GIT**.
* Utilized Jenkins, Git, and Eclipse for deployment on test servers and to move towards CI/CD.
* Testing facets core application and **UAT** modules by following standard testing procedures
* Took ownership of automation and led the automation team by mentoring the team as required
* Excellent experience of build tools like **Maven** and managing **JAVA** automation projects using them.
* Experienced in using software Management Tools such as **ALM/Quality Center**.
* Experienced in developing and analyzing Test Plans, Test Strategy, Test Cases and Test Results using **HP Quality Center/ALM.**
* Expertise in bug tracking tools like **HP ALM/Quality Center** and for reporting modification requests.
* Experienced in using basic SQL Queries to retrieve Data from the Databases.
* Expertise on Automation Testing Tools like **UFT/Quick Test Professional (QTP), Selenium**.
* Expertise in the **Functional** and **Regression** testing of Web applications and its functionalities using **UFT/QTP.**
* Experienced in using Descriptive Programming for Key-word driven Testing using **QTP/ UFT**.
* Expertise in producing and maintaining project specific processes and work ethics.
* Used**HPQC**fordefectmanagementandreporting,alsofollowedupwiththedevelopmentteamtoverify bug fixes and update bug status.
* Performed functional testing by executing the **QTP Scripts** from **Test Director**.
* Used Python to launch **QTP** scripts from command line for continuous integration testing.
* Created unit and functional test cases through use of testing tools such as Python.
* Responsible for creating **Soap-UI** project to test all web services exposed by all modules.
* Performed Manually **GUI Testing, Functional Testing, Black Box Testing, UAT, and System, Transactions** and **Regression testing, Positive** and **Negative testing**.
* Performedthebackendtestingbypreparing**SQL**scripts.Thedataonthefront-endapplicationwaschecked against the back-end database using **SQL** queries.

**Technical Skills**

**Development Methodology**: Agile, Scrum, Waterfall

**Programming Language**: JAVA, C#, Ruby

**Automation Tools** : Selenium IDE/Web Driver/Grid, Test Director,Cucumber, Quick Test pro

**IDE Tools** : Blue-J, Eclipse, Net Beans,

**Artifacts**  : Test Plan, Test Case, RTM, Test Summary Report, Bug Report

**Project Management tools**: OpenProj

**Test Management** : HP Quality Center, JIRA, Bugzilla

**Databases**  : SQL Server Management Studio 2008/2012, MySQL, Oracle, Ms-

Access

**Packages**  : Microsoft Office

**Operating Systems** : Windows, OS/X, UNIX/LINUX

Utilities : Eclipse, GIT, SVN, IntelliJ

**Professional Experience**

**DTCC, New Jersey, NJ May 2017-Till Date**

**Role: SDET**

**Responsibilities:**

* Analyzing requirements and developing detailed test plan, test scripts, and prepare necessary test data for test execution **in Agile Environment**.
* Effective use of logical functions in order to handle more than one scenario in test cases to handle application logic and device behavior.
* Preparing the test data for new automation scripts and Making the enhancements in the existing data as per the requirements.
* Developed external custom functions using VBScript and using Descriptive Programming for QTP.
* Performed Data driven testing using Selenium and TestNG, Bamboo CI functions which reads data from property and XML files.
* Uploading and executing the action based scripts from **Quality Centre/ ALM.**
* Worked with the team in enhancing the selenium framework to perform **UI automation**.
* Tracking, reviewing, analyzing and comparing the Defects by using **Bit Bucket**.
* Prepared both action based and component based scripts using **QTP**. Component based scripts were stored in **Quality Centre**. Executed the action based scripts from **Quality Centre/ ALM**.
* Parameterized the tests by entering different sets of data using **QTP**.
* Reported defects using **QUALITY CENTER/ALM** to the development team and followed up for the defects.
* Responsible for updating testing status and preparing testing requirement specifications
* Assigned the tasks of testing data set-up, testing environment, and reviewing test scripts on a periodic basis.
* Developed Keyword Driven and Data Driven frameworks to retrieve test actions, test data from **Excel** files and **SQL** Databases.
* Configured **Maven** for **JAVA** automation projects and developed Maven project object model (POM).
* Developed, executed and maintained **Selenium** automation scripts for trading web application.

**Environment:** Selenium Webdriver, QTP/UFT 12.52, Jenkins, ALM 12.21, Rally, Bit Bucket, Java, Agile Methodology, Windows 7/8, Oracle, MS Office.

**GSK, Philadelphia, PA**  January2015 – May 2016

**Role: SR.QA Automation/SDET Tester**

**Responsibilities:**

* Excellent experience of build tools like **Maven** and managing **JAVA** automation projects using them
* Collaborated closely with design development and project management teams to ensure testing protocols met.
* Communicated with clients and stakeholders to test for client requirements correctly.
* Implemented automation using **Selenium WebDriver, JAVA, Selenium Grid, Cucumber, Maven.**
* Extensively automated regression and functional test suites by developing test cases, test suites using **Selenium WebDriver, JAVA, JUnit.**
* Developed Keyword Driven and Data Driven frameworks to retrieve test actions, test data from **Excel** files and **SQL** Databases.
* Configured **Maven** for **JAVA** automation projects and developed Maven project object model (POM).
* Used **Maven**, **Selenium Grid** to execute Selenium automation suites on different platform, browser combinations in parallel.
* Involved in converting manual test scenarios into automated scripts to run the same on **UFT** which involves validation of service calls from back end of the application.
* Used **VB Scripting** in **UFT**, Generate test result using **UFT** and analyzing actual result and expected result.
* Effective use of logical functions in order to handle more than one scenario in  test cases to handle application logic and device behavior.
* Preparing the test data for new automation scripts and Making the enhancements in the existing data as per the requirements.
* Uploading and executing the action based scripts from **Quality Centre/ ALM.**
* Worked with the team in enhancing the selenium framework to perform **UI automation**.
* Tracking, reviewing, analyzing and comparing the Defects by using **Bit Bucket**.
* Analyzing requirements and developing detailed test plan, test scripts, and prepare necessary test data for test execution **in Agile Environment**.
* Developed test scripts on Expert View and enhanced those scripts using **Functional** Libraries from scratch and performed regression testing for every new release using **QTP** as an automation tool with **VB scripting**.
* Used **Firebug** and **XPath** for the web based application testing with selenium for the commands and locator application.
* Enhanced the automation scripts in **QTP/UFT** by using actions and reusable actions.
* Developedautomation scripts using**SeleniumWebDriver**and**Java**.Used**EclipseIDE**todevelop & debug the code.

**Environment:** Selenium Webdriver, QTP/UFT 12.52, Jenkins, ALM 12.21, Rally, Bit Bucket , Visual Basic, Java, Agile Methodology, Windows 7/8, Oracle, MS Office.

**Centene, St.Louis,MO** October 2012- December 2014

**Role: SDET/ SR QA Engineer**

**Responsibilities:**

* Gathered specifications and business requirements prior to application testing.
* Analyze requirements, design documents, PDF and develop detailed test plan, test cases, test scenarios, test scripts, and prepare necessary test data for test execution in **Agile** Environment.
* Automated System testing for trading transactions, exchange operations and payment methods using **Selenium WebDriver, C#.**
* Performed Parallel, Cross – Browser, multiple platforms Testing using **Selenium Grid and TestNG.**
* Ran the scripts for multiple users using controller in Load runner for CCT **GUI/API** regression/Load testing.
* Extensively used **C#.Net** for developing the user controls.
* Developed **BDD** tests using **Cucumber** by writing features and Developed Required Selenium support code in Java.
* Developed, executed and maintained **Selenium** automation scripts for trading web application.
* Used **Jmeter** to test the performance, load and functional of the application.
* Developed **Hybrid** automation framework in **C#** by using **Page Objects framework, Keyword Driven & Data Driven frameworks. Automated running smoke tests** and build report generator for daily builds.
* Used **Selenium Grid, NUnit** test scripts to run automated test cases in parallel on 5 environments.
* Browser (**IE, Firefox, Chrome, Safari**) where Platform (Windows 7,8/10Vista/XP/Mac OS).
* Customized test Result in **QTP.** Read Excel Data into Custom **QTP** Data Table using Custom Function. File System Object (FSO).
* Used for loop, Conditional if statement to handle application logic. Designed Functions Library, Functions Subroutine's common function, regular Expressions and Environment Variables using **QTP** in **VB Scripts**.
* Used Descriptive, Synchronization, Call function, Parameterization, Checkpoints, Error Handling, Recovery Scenarios, Regular Expressions to enhance test affectivity also created reusable actions by using **QTP/UFT**.
* Developed test scripts on Expert View and enhanced those scripts using Functional Libraries from scratch and performed regression testing for every new release using **QTP** as an automation tool with **VB scripting.**
* Maintained and updated the scripts for every release either by updating the object property value for a specific object or by adding new objects to **Object Repository**
* Prepared test data and test results (input / output files) for data driven method by using Global and Local spreadsheets in **QTP** for multiple testing.
* Tested**JSON** Web services for creating deleting modifying a big set of pools and Products, by writing pure white box test cases.
* Prepared both action based and component based scripts using **QTP**. Component based scripts were stored in **Quality Centre**. Executed the action based scripts from **Quality Centre/ ALM**.
* Parameterized the tests by entering different sets of data using **QTP**.
* Reported defects using **QUALITY CENTER/ALM** to the development team and followed up for the defects.
* Used Python to launch **QTP** scripts from command line for performing continuous integration testing.
* Responsible for estimating required components for SOA testing.
* Handled the tasks of assisting senior SOA testers in developing test strategies and in gathering testing requirements
* Responsible for updating testing status and preparing testing requirement specifications
* Assigned the tasks of testing data set-up, testing environment, and reviewing test scripts on a periodic basis.
* Ran the scripts for multiple users using controller in Load runner for CCT **GUI/API** regression/Load testing.
* Designed the Manual and Goal oriented scenarios using LoadRunner Controller module
* Responsible for modifying and extending open source applications like Ruby
* Performed other essential job responsibilities under the guidance of senior SOA testers.
* Experienced in Python scripts for performing Load tests on applications
* Automated the infrastructure in **AWS** using web services and Performed configuration, deployment and support of cloud services including Amazon Web Services (**AWS**).
* Involved in the **Database Testing** using **SQL** queries of the application like checking all the tables in the Database and checking whether the data is moving in the respective tables.
* Experienced in trouble-shooting various problems during design & development phase of automation scripts.
* Used **Robotium/Appium** tool to develop automation test scripts on **Android** platforms for native applications on mobile devices.
* Worked on Selenium GUI Object / element verification is done through **XPath, CSS Locators**.
* Quality Center was used for tracking and bug reporting and documentation of the whole QA process. Coordinate with **UAT**, project management teams performed User Acceptance Testing (UAT) with the users.]

**Environment:** QTP/UFT 12.02,Selenium Webdriver, SOA, LoadRunner, ALM 12.02, C#, **TFS 2008/2010**,Appium/Robotium,Oracle, Python, XML, HTML,Javascript,jmeter, Visual Basic, SQl, Agile Methodology,Windows 7/8, MS Office.

**Paccar, Seattle, WA** Decemeber2011-September 2012

**Role: SDET/ SR QA Engineer**

**Responsibilities:**

* Responsible for reviewing and documenting various Quality assurance reports, preparing Test plans and creating the required test scripts.
* Performed Manual Testing of the application functionality to complete **black box testing** of the application.
* Used different test scenarios to validate the functionality for the application.
* Creating and generating system test scripts for different test scenarios covering all aspect of project functionality
* Developed test cases **for Functional testing, GUI testing and Usability testing** to ensuring the quality of the application.
* Used **Jmeter** to test the **performance, load and functional** of the application.
* Utilized Jenkins, Git, and Eclipse for deployment on test servers and to move towards CI/CD.
* Creating test cases for **ETL** mappings and design documents for production support
* Tested **JSON Web services** for creating deleting modifying a big set of pools and Products, by writing pure **white box** test cases.
* Extensively used **C#.Net** for developing the user controls.
* Extensive experience in **ETL/ Data** warehouse backend testing and BI Intelligence reports testing.
* Creating **Manual test cases** for application based on requirement documents like **Functional Specifications, Business Requirement Document and Use cases.**
* Ran the scripts for multiple users using controller in **Load runner** for CCT **GUI/APIregression/Load testing.**
* Wrote Descriptive programming using **QTP.**
* CreatedExceptionhandlers(Recoveryscenarios)anduser-definedfunctionsInvolvedin**Regressiontesting, Unit testing, System testing and User Acceptance Testing**
* Dataclassinteractswith**MSSQL**databaseandextractdata.Basedonthedata**QTP**scriptperformsspecific operations.
* Running various reports on bugs and defects generated during test execution daily.
* Developedautomation scripts using**SeleniumWebDriver**and**Java**.Used**EclipseIDE**todevelop & debug the code.
* Configured **Selenium WebDriver, TestNG, Ant** tool and created **selenium** automation scripts in **java** using **JUnit** prior to agile release.
* Involved in automating test cases using **Selenium WebDriver with TestNG**.
* Used **Robotium/Appium** tool to develop automation test scripts on **Android** platforms for native applications on mobile devices.
* Responsibleforcreatingandmaintainingautomation**acceptancetest**suiteusing**Selenium**.Alsoresponsible for converting automation scripts to new framework using **Selenium WebDriver, Java and Testing**.

**Environment:** Quick Test Professional 10.0, Selenium Webdriver, Quality Center9.0, HTML,**TFS 2008/2010,**ALM,JIRA, Python, Pearl, WindowsXP/Vista, Informatica power center,Load Runner,SQLServer,Web Services, Robotium/Appium ,Agile Methodology

**Global Logic, Hyderabad, India** June 2009- Nov 2011**Role: Ecommerce TesterResponsibilities:**

* Involved in development of test cases from functional requirements, technical specifications and use cases.
* Executed Manual Test Cases by using positive and negative test scenarios.
* Prepared Traceability Matrix to show the test coverage requirement vs. Test scripts.
* Performed module testing, integration testing, system testing and Usability Testing per the technical specifications.
* Performed **Regression testing** at various phases of the project development.
* Performed Test Run manually and maintained logs in Test Lab of **HP Quality Center**.
* Used **Test Director** and Mercury **Quality Center** for updating the status of all the Test Cases & Test Scripts that are executed during testing process.
* Used **Test Director** and Mercury **Quality Center** for updating the status of all the Test Cases & Test Scripts that are executed during testing process.
* Took part in the team bug review meeting.
* Use of tracking systems to upgrade process and quality control procedures.
* Design and execute **manual test** scripting and cases.
* Responsible for logging the **defects**, keeping track of them and verifying the **bugs** are the fix.
* Bugs are reported using **JIRA and ALM**
* Involved in re-testing the test cases and closing the **defect**.
* Participated in peer review with team and developers to review test cases/test scripts.
* Prepared the test documentation using **MS Word.**
* Participated in Walk through of test plans and test cases.
* Took part in Test Closure Activities and in providing the Test Closure Document to the stakeholders.

Environment: Manual Testing, Mercury Quality Center 10.0, HP ALM, Windows XP, UNIX,

Microsoft Tools (Word and Excel).

**References:** Will be provided upon request.