*Lead QA Automation Engineer*

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Professional Summary:

* 10+ years of experience in Software Quality Engineering Functional & Automation highly distributed and complex systems Web and Desktop applications.
* Extensive Knowledge of **Software Development Life Cycle** **(SDLC)** methodologies such as **Agile, SCRUM and waterfall models and TDD.**
* Experienced in SQA (Software Quality Assurance) including Manual and Automated testing with tools such as **Selenium WebDriver/TestNG**, Quality Center/ALM, **JIRA,Zephyr** and **Postman**, **SOAP UI** tools.
* Specialized in user requirement analysis, documenting test plans, execution of test cases to verify application functionality against business requirements, by using **Selenium WebDriver.**
* Sound knowledge on **TestNG** framework for **Unit testing**, **Maven** for Project **building tool**, **Jenkins** for **Continuous Integration**.
* Experience in designing and executing exceptional modularized re-usable automated scripts using - Quick Test Professional (QTP), VBScript, VBA, JavaScript, TSL, Robot for testing client/server, web-based n-tier applications.
* Experience in working with Agile Methodology for implementing rapid and high co-ordination environment among Development and QA teams using SCRUM model.
* Experience with configuration management using Ansible, Chef and container management with Docker.
* Extensive hands on experience in performing Manual, Black box, White box, Gray box as well as Automation testing of various applications.
* Solid Experience with AWS – EC2, S3, ELB, Auto Scale, CloudFormation.
* Experience in testing database applications of RDBMS in Oracle, Mysql and SQL Server by executing SQL Queries. Expertise in performing manual testing Mobile Application Testing using Appium.
* Experience in Mobile testing on Android, iPad and iPhone, Emulator, Simulator to perform Mobile testing, phone functionality and native app testing
* Designed and Developed Data Driven\Hybrid Frameworks in UFT and Test Complete.
* Worked in UFT- ALM Integrated Environments.
* Involved in the Continuous Integration of the automation framework with Jenkins. Extensive experience of Web Services, SOAP and REST API Testing using UFT API, Restful API, RestSharp, Parasoft SOA, Apache JMeter, Postman and SoapUI.
* Extensive knowledge in Protractor framework for Applications developed with AngularJS .
* Experience in using Ansible to manage Web Applications, Configure Files, Data Base, Commands, Users Mount Points, and Packages. Also, worked on integrating Ansible YAMLScripts.
* Experienced in creating Automated Web services testing processes using SoapUI NG Pro tool and Karate DSL framework.
* Proficient in test automation frame works using tools Karate, Selenium, SoapUI Pro, NI Test stand and CANoe
* Implementing a Continuous Delivery framework using Jenkins, Chef, Maven & Nexus in Linux environment.
* Worked on Web Services Testing using SOAPUI, Apache Axis Client 2.x, Eclipse 3.4, and IBM RAD 7.0.
* Involved in multiple projects covering all the areas of Software Testing Life Cycle (STLC) including Requirements Analysis, Application Design, Technical Design, Development, Testing & Debugging along with Implementation, Documentation and incorporation of user feedback to plan enhancement in the Application system.
* Proficient in documentation of deliverables in testing process (Test Plan, Test Scripts (Python, Angularjs), Test Summary, Defects in HP Quality Center/ALM & JIRA, Status Reports, and Best practices in Testing).
* Test Automation hands on experience using Cucumber-Ruby over BDD/Selenium-Ruby. Design and execute features of ATDD (Acceptance Test Driven Development)/BDD using Selenium, Cucumber for Java and Ruby.
* Hands on experience in test driven development (TDD), Behavior driven development (BDD) and acceptance test driven development ( ATDD) approaches.
* Performed Jira migration of application from v6.x to 7.x and also upgraded WebLogic instances from 6.x to 7.x.
* Experience and knowledge in testing web applications running on Javascript frameworks like Angularjs, Perl, Python, Ruby, React.js and Node.js etc.
* Extensive experience in using LoadRunner in Web and Web Services.
* Extensive experience defect management includes, defect logging, defect tracking, defect triaging and defect closure using different kinds of defect tracking tools.
* Extensively used SQL and PL/SQL to test the Data level verification.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.

Education:

Bachelor’s Degree (BCA) with specialization in Computer’s from Mewar University, 2010-2013.

Technical Skills:

* Test Automation Framework Design, QA Processes, and Technologies including:

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| --- | --- | --- |
| * Selenium Web driver * Cypress * HP QTP/UFT * Maven * Junit, TestNG * Cucumber, SpecFlow * Extent Reports | * Jenkins * Bit-Bucket/Stash * Data Validation * CICD * SonarQube * karate | * Core Java * Java script * Rest-assured/ Postman * JIRA, Zephyr**,**Rally * HP QC/ALM |

Work Experience:

**Project #1:**

**Title** : CLM

**Client** : Optum (United health group), USA

**Role** : Lead Software QA Engineer

**Model :** Agile Process

**Environment** : Java, Rest-assured, Cucumber, Junit, Maven, Extent Reports, Jenkins, Sonar Qube,jira,Zephyr

**Duration** : March 2021 - Till Now

**Description:** CLM (Contract life cycle management) is a proactive, methodical management of a contract from initiation through award, compliance and renewal. CLM system manages all the contracts related operations i.e. Initiation, draft, execution, active, hold, inactive between the United Health Care and Providers/Facilities.

**Responsibilities:**

* Developed BDD tests using Cucumber by writing behaviors and step definitions. Developed required Selenium support code in JAVA for Cucumber. Worked in Agile - Behavior Driven Development (BDD) model.
* Developed the features, scenarios, step definitions for BDD (Behavior Driven Development) and TDD (Test Driven Development) using Cucumber, Gherkin and ruby.
* Used Selenium WebDriver for writing test scripts for regression test coverage.
* Created a framework from scratch using API testing tool called Karate for REST API Testing
* Automated the API services using Karate DSL framework for Unit Testing, Integration Testing and Regression Testing.
* Integrated Karate DSL library to the existing automation framework to handle repetitive tasks along with UI automation to save runtime and the ability to validate the business logic in case of UI failure
* Test execution and Defects management.
* Also responsible for converting automation scripts to new framework using Selenium WebDriver, Java and TestNG/Junit.
* Involved in analyzing and feasibility check of a newly added functionality for automation. Design and implement Hybrid Driven Framework approach using Selenium Web Driver.
* Used python to develop Automation framework to Validate RESTful Web Services.
* Good experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
* Responsible for maintaining test scripts and test cases for automation with Robot framework.
* Software test automation using Robot Framework using selenium library, Jenkins for continuous integration, Git for version control.
* Utilized Robot Framework to create test scripts for a Python/Java based software.
* Used Locators Technique to select CSS selectors and XPath to identify UI elements.
* Developed and executed White box test cases using Python, Unitest/Pytest/Robot framework & PyCharm/Ride.
* Extended Unitest/Pytest/ Robot framework by adding some helper classes and methods.
* Identified test cases to automate. Automate those test cases using Selenium WebDriver and Python (PyCharm IDE and Ride IDE).
* Developed and executed manual and automated tests in different platforms using Python and Selenium library.
* Configured Selenium WebDriver, Unittest, Pytest,Robot, pip tool and created selenium automation scripts in python.
* Automated Smoke & Functional test cases using Selenium WebDriver, Unitest/Pytest/Robot & Python (PyCharm IDE and Ride IDE).
* Took initiative on scrum master role and responsible for smooth release of sprint release.
* Involved in setting up Page Object Model, TestNG, Data Driven tests using Excel file, locating web elements using locators. Involved in Mobile Testing includes App Testing. Test automation for web application using Cucumber. Created automation test scripts using Pytest with Page Object Model (POM) to test the web applications and desktop application using Selenium Webdriver and Python.
* Responsible for regression runs, developing automation libraries in python which is consume by the team to write various test cases
* Identifying feasible non-functional test cases for Performance testing. User developed with python and bokeh framework for report display and analysis
* Involved in testing application on different mobile Platform such as iOS and Android devices.
* Implemented mobile Testing automation frameworks using Appium.
* Created Selenium web-driver automation scripts using Python and Java Script to validate functionality on various browsers.
* Implemented Appium scripts to test IOS and Android platforms.
* Implemented UI Automator viewer in Appium to inspect elements in mobile applications.
* Performed the Testing on the various mobile devices with a various platform (iOS, Android)
* Performed Regression testing on new builds, every modification in the application using Selenium WebDriver.
* Using java oops concepts, collection hierarchy. Developed automation framework using Selenium, Cucumber, Maven and TestNG with Java; Parasoft SOA, Restful API and Postman in QA Automation tools Discovery.
* Performing API testing ( SOAP and REST ) using Parasoft SOA and Postman and SoupUI . Automating Restful API test cases using RESTLET tool and manual testing of APIs using Postman.
* Extensively worked on Postman for Web Service API Testing.
* Reported the bugs, Email notifications to the developers using JIRA.
* Using Postman validated REST API Web Service Call by sending JSON Request and JSON Response.
* Active participation in Daily Scrum, Sprint Planning, Retrospective and Team management Meetings.
* Created, reviewed and executed functional Test Scenarios/ Test Cases and Regression Test Suites for End-to-

**Project #2:**

**Title** : Phycon

**Client** : Optum (United health group), Hyderabad, India

**Role** : Lead Software QA Engineer

**Model :** Agile Process

**Environment** : Java, Rest-assured, Cucumber, Junit, Maven, Extent Reports, Jenkins, SonarQube,

Jmeter,jira,Zephyr

**Duration** : April 2019 - March 2021

**Description:** United Health Group is an American-based Health Care company PhyCon (PH) is a single, end to end workflow tool supporting physician contract operations and

Provider demographic maintenance PhyCon implementation improves transactions constrained by

Multiple dated, fragmented and ineffective workflow tools

**Responsibilities:**

* Plan, review and executed DevOps and software testing in Agile approach & aggressive project schedules providing input on project schedule risks, testing risks and dependencies.
* Did API Level testing for web services, enhanced the Test harness and developed many Test suites using XML and Python.
* Created and executed Automation test scripts suites using for daily regression runs and identified software errors and interacted with development teams to resolve the regression issues.
* Prepared Test Plan, Test Scenarios and Test Scripts as per functional, Business requirements and developed the Test Procedures and Test Cases using Software specifications document.
* Used Bitbucket repository for efficient remote team working, also stored the framework and all the developed test cases.
* Implemented Ansible to manage all existing servers and automate the build/configuration of servers. Created scripts for installation of Oracle WebLogic and SOA applications with python.automation log rotation using python. Created and maintain server-side integration tests - Python, JSON documents, MongoDB, and Robot Framework running
* Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Assigned responsibilities of designing integration testing for new modules by using asp.net application. Performing Cross-platform, Functional, Regression testing, UI testing for mobile Native app, web apps and hybrid apps using Appium test automation framework.
* Experience with Mobile Compatibility testing and Mobile application testing - iPhone, iPads /tablets .Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Involved in Unit Testing, handled issues in System testing and UAT.
* Enhance test frameworks and develop automated tests using Selenium Web Driver to ensure consistency.
* Implemented Page Objects model (POM), Apache POI in Web Driver Scripts,Data Driven Framework using Selenium Web Driver, and Java.
* Involved in implementation of Test Automation Framework build using Selenium Web Driver, Protractor to handle Angular JS applications.
* Created SQL Queries to perform back-end data validation testing, Involved in the creation of Test Data and Root Cause Analysis of defects.
* Scripted SQL queries to verify data integrity and validate updated data for the Test cases in different modules of the billing application.
* Created manual test Cases inHP QC/HP ALMfor variousUser Storiesbased on onReleaseand Sprint Plan.
* Designed and developed REST API test automation using Confidential karate framework. developing automation scripts in BDD format using **cucumber** and proficient in writing cucumber scenarios in **GHERKIN** format.
* Performed Continuous Integration (CI) of code and scripts using Jenkins and triggered the Continuous Delivery process using Jenkins build jobs.
* 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.
* Creating Automation Scripts (VBScript) in the sprints and stored them in the Test-Plan module of Quality Center.
* Develop and maintain automated tests using Python and the Robot test framework.
* Developed Web UI and API automated tests using Robot Framework, Selenium and WebTest library
* Developed Web UI and API automated tests using Robot Framework, Selenium and WebTest library
* Extensive experience in Web front-end and back-end test automation using Java, JavaScript, Selenium WebDriver and Robot Framework
* Create automated test using Robot Framework and Python/Selenium. Update customer facing documentation for our API.
* Implement complete QA cycle for agile projects at all stages of software development life cycle (SDLC) and Project Management Life Cycle (PMLC).
* Used Bitbucket repository for efficient remote team working, also stored the framework and all the developed test cases.
* Developing UAT test process and monitoring SIT execution phases.
* Enhanced and Debugged test cases/scripts using IntelliJ IDE, Selenium, Javascript and Jasmine framework.
* Developed Test Cases using WSDL, Schema files which defines Web Service Request, Response, and methods/operations, End Point of web service to be tested.
* Configure Selenium Webdriver, TestNG, Maven tool and created selenium automation scripts in java using TestNG prior to next quarter release.
* Worked in Data Validation and Manual Testing to fix the bugs in code.
* Developed the Testing documents - User Test Plan, User Test Case Specifications document & Test Results Summary Document.
* Converted data from database into JSON or XML format files and retrieve useful information using AJAX calls to display them on the browser.
* Involved in writing application level code to interact with APIs, RESTFUL Web Services using AJAX, JSON. Followed agile development methodology and scrum for the project.

**Project #3:**

**Title :** CMD

**Client :** Optum, Hyderabad, India

**Role :**  QA Engineer

**Model :** Waterfall model

**Environment :** Appcelertor – Titanium studio, Parasoft Concerto, Hockey App, TestFlight App,

DocsUFree App, Ipad Air, Ios.

**Duration** : March 2016 - April 2019

**Description:** CMD the application deals with the understanding / estimation of the Risk involved for the Patient going through the course of in-taking the Cancer related drugs. The estimation is prepared by conducting repeated Surveys, based on this data, a Strategy is prepared to mitigate the Risks incurred to the Patients going through the course.

**Responsibilities:**

* Created Test Data based on Requirement specs and previous releases test data.
* Involved in Agile development and Working closely with the Developers and Engineering Teams in the reviews and modification of the product and its specifications.
* Extensively used Quality Center for test planning, maintain test cases and defects.
* Creating Test cases ensuring that the developed software performs as detailed by the business requirements. Created Selenium web-driver automation scripts using Python and Java Script to validate functionality on various browsers.
* Involved in Web Services Testing using SOAPUI. Develop and rebase QA automation scripts using Selenium, Robot Framework, Python
* Develop programs to automate the testing of controller in CI/CD environment using Python, Java, Bash script, Git, Linux command line, Java Script
* Involved in Unit Testing using C++.
* Performed User Acceptance Testing (UAT) in the final phase of software development process to check the functionality of the software.
* Used Quality Center to invoke the scripts and initially performed the baseline testing and organized all the scripts systematically and generated reports.
* Builded application and database servers using AWS EC2 and used RDS for Oracle DB.
* Performed Build Acceptance Testing (Smoke Test) for every build release to QA
* Performed Smoke, Functional, Regression Testing.
* Responsible for maintaining QTP Scripts for daily regression testing
* Developed Data Driven Tests using QTP
* Assigned the tasks of developing system requirements by following 508 standards.
* Verified Web services API Request, Response data Validation in SOAPUI.
* Tested remediation plans for applications and processes to ensure that they met PCI standards.
* Develop and maintain automated tests using Python and the Robot test framework.
* Mobile automation of android and windows app using Appium and Selenium Webdriver, Robot Framework.
* Create, manage and execute GUI & API automated tests in Pycharm using Python, Selenium and Robot Framework
* Tested the data gathering from customer correspondence to the customer or merchant.
* Developed SQL Queries for testing various Database validation
* Responsible for creating test status reports during and after test execution process.

**Project #4:**

**Title :** SAMS

**Client :** Capgemini,Banglore ,India

**Role :** QA Engineer

**Model :** Agile process

**Environment :** Java, IBM DB2, Eclipse, selenium web-driver, Maven, SVN, Code tutor, Rally

**Duration : April** 2013 - March 2016

**Description:** SAMS application, which is utilized by the managers to have a look over the agents in respect to Sales, Renewal contract documents, Agent certification, Agent licensing described by the LOB for Temporary Agents and Permanent Agents existing in the company.

**Responsibilities:**

* Prepared Test Plan, Test Scenarios and Test Scripts as per functional, Business requirements using Quality center, developed the Test Procedures and Test Cases using Software specifications document.
* Participated in BRD walkthroughs along with Business System Analysts, development team.
* Participated in the Bug review meetings and Bug Triage meetings.
* Prepared several test scenarios for the workflow of entire ETL cycle.
* Conducted Browser compatibility testing using different browsers.
* Performed Automation testing for Functionality and Standard testing using QTP.
* Administration and Support of UNIX Servers including SUSE, Solaris, HP-UX & Red Hat Linux and CentOS.
* Regression testing was performed after each new build of the application using QTP and tracking the defects.
* Responsible for developing and performing ADA 508 compliance test plans and test cases.
* Inserted Synchronization point and also regular expression to enable QTP to recognize objects.

**Environment:** Quality Center, Oracle, HTML, LINUX, , PL/SQL, Win Runner, HP UNIX, JAVA and J2EE, EPIC, SAP Crystal Report