**Name: Vamshidhar Y**

**QA Automation Engineer (SDET)**

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**SUMMARY**

* Passionate **QA Automation Engineer/Tester** with over **10 years** of experience in all phases of software testing and development life cycle.
* Strong exposure to QA Testing methodologies, framework building, testing and developing test plan/test scripts for automation. Proficient in Web Testing, API Testing, Functional Testing, BDD, TDD, Mobile Testing, Hybrid Frameworks using testing tools like Selenium with Java, Cucumber, TestNG and Appium.
* Diversified experience in both Manual and Automation testing in various domains such as Banking, Health Insurance, Education, e - Commerce, Finance.
* Extensive experience in Functional, Smoke, Regression, Retesting, Integration, GUI and User Acceptance Testing (UAT)
* Firm knowledge on Software Testing and Software Development life cycle (STLC & SDLC) including Agile scrum and Waterfall model
* Designed and Implemented various automation frameworks like Keyword Driven, Data Driven, Hybrid Framework and POM (Page Object Model) for multiple projects
* Performed BDD using Cucumber to focus on functionality and behavior
* Expertise in using TestNG/Junit, Mavento build automation frameworks with JAVA
* Solid experience on API Testing and Web Service testing using tools like Postman, SoapUI
* Performed functional testing of both SOAP and RESTful web services using SoapUI. Added assertions to validate the XML or WSDL file
* Used Apache POI to read and write data from Excel sheets and testing the test scenarios
* Configured Cucumber Report Plugin to Jenkins to generate HTML test reports
* Acquaintance with developing automation scripts using Appium java for testing mobile native applications.
* Create test automation framework for iOS and Android mobile applications
* Used Android SDK Emulator in Android studio to perform android Mobile Testing
* Solid knowledge on QA testing methodologies (functional & non-functional), testing procedures and processes
* Experience in documenting defects with detailed description and recreating steps in Defect Tracking Systems like Jira, Bugzilla, HP ALM and YouTrack
* Maintain log files, debug automation scripts and web applications using Log4j
* Provided Continuous Integration (CI) and Continuous Development (CD) using tools such as Jenkins and configured build jobs to leverage Maven builds.
* Proficient knowledge in Core Java and object-oriented programming concepts like Inheritance, Polymorphism, Encapsulation, Abstraction
* Strong background in automated testing with Selenium Grid and Selenium WebDriver using C# / .NET.
* Hands-on experience with multiple relational databases and written many complex SQL queries to validate data, as well as test application changes
* Comprehensive knowledge of TOSCA automation Test Suite, TDM and TOSCA automation Techniques.
* Expertise in querying and testing RDBMS such as Oracle DB, MS SQL Server, MySQL and PostgreSQL for data integrity
* Proficient in handling the SSL certificate error using Desired Capabilities in all the web Browsers.
* Created test plans and Requirement Traceability Matrices (RTM) to ensure test coverage
* Sound Knowledge on writing unique CSS Selectors, Xpath through inspecting Web Elements
* Located objects using Firebug and Chrome Developer Tools based on locators like CSS, XPath, Id, link Text, name, Attributes and Tags
* Experience working with version control systems (VCS) and tools like Git, Bitbucket to track source code changes
* Documented Test Scenarios, developed Test plan, Test Cases and Test scripts for testing of medium to complex scenarios including Test Data/environment setup
* Experience in resolving the issues by finding Root Cause Analysis, report clear defects in JIRA, and provide metrics for defects and test results
* Hands-on experience with both White box and Black box testing
* Extensive hands-on experience in testing large, complex software applications designed to automate common business processes
* Preparation of the Daily Matrix and the Team Reports
* Extensive experience with project documents management tools like Confluence, SharePoint
* Involved in creating, executing and managing of Manual and Automation test scripts to facilitate both Positive and Negative testing
* Preparation of the Daily Matrix and created effective test reports
* Experience working as a front-end developer and used git for code base management
* Excellent communication and proven ability to work efficiently in both independent and team work environments and contribute to the efficient operation of the team

**TECHNICAL SKILLS**

**Testing Tools:**Selenium WebDriver, Selenium Server, Cucumber, TestNG, GIT, Chrome Developer Tools, Appium, Postman, Android Studio, JUnit, Firebug, SoapUI, Sauce Labs

**Web Technologies:**HTML, XML, CSS, DHTML, Angular JS, Node.JS

**Programming:**Java, HTML, CSS, JavaScript, XML, JSON, SQL, Python

**IDE:**Eclipse, Android Studio, Visual Studio

**Defect Tracking Tools:**Jira, Bugzilla, HP ALM, HP Quality Center

**Build Tools:**Maven

**Testing Frameworks:**Page Object Model (POM), Data Driven, Keyword Driven, Hybrid Framework

**Continuous Integration Tools:**Jenkins, Hudson, Cruise Control

**Version Control:**SVN,GIT

**Project Methodologies:**SDLC, STLC, Agile (Scrum), Waterfall

**Databases:**Oracle, MySQL, PostgreSQL, SQL Server, MongoDB

**Browsers:**Internet Explorer, Mozilla Firefox, Google Chrome, Safari

**MS Office Tools:**Outlook, Word, Excel, PowerPoint

**Operating Systems:**Windows 7/8/XP/10, UNIX, LINUX

**PROFESSIONAL EXPERIENCE**

**Client: Baxter Healthcare (remote) April 2024 – Present**

**Role: QA Automation Engineer / SDET**

**Responsibilities:**

* Experience generating test reports out of TestNG, XSLT Reports, extend reports and created error screenshots.
* Performed VB Scripting in QTP for automating the testing process
* Conducted UI testing, functional testing, regression testing, and verified the results with expected results
* Expertise in performance and Load Testing using LoadRunner, JMeter and Neoload.
* Verified the integration of various components in the application and executed end-to-end testing.
* Followed project milestones and created test data and executed test scripts and defined test plans from functional, regression and performance testing through acceptance for Web Services/APIs through (HP UFT).
* Developed end-to-end automation tests using Cypress for web applications.
* Create emulators for testing mobile applications using Android Virtual Device (AVD) Manager
* Generated weekly test execution status reports and analyzed the performance based on them
* Excellent knowledge in writing unique CSS selectors and Xpath using Firebug to identify web elements
* Developed reusable functions using shared repository in QTP.
* Automated UI validation and DOM element interactions with Cypress commands.
* Perform compatibility and integration testing with SAPGUI and third-party applications like Siebel and Salesforce.
* Performed Input Validations, User Interface Validations, Browser Compatibility Testing and Navigation testing by using navigation commands in WebDriver
* Created test scripts using C# and Selenium Web Driver for the functional test cases.
* Designed Python Scripts to develop automated scripts and frameworks.
* Developed user controls, custom controls using Asp. Net and C# and were effectively used.
* Used WSDL to test Soap & Restful web services using URI and HTTP methods
* Wrote SoapUI Assertions to verify web service response
* Performed manual testing using windows SAP Logon and interacted with SAP GUI to test the functionality of the application
* Implemented TestNG framework for Smoke test and used all Annotations in TestNG effectively
* Generated Status reports and Defect reports and presented them in weekly status meeting
* Performed activities in SQL like select, Index, insert, joining tables, aggregate functions, and sub-queries, set functions, triggers, errors and views
* Work closely with development team to understand the features and provide detailed information to resolve issues quickly
* Implemented Selenium Synchronization for Conditional and Un-Conditional waits using Implicit and Explicit waits
* Interacted with developers and business Users to communicate the defects and actively participated in replicating the bugs and performed regression testing
* Created and maintained Cypress test suites for functional, regression, and API testing.
* Worked with all modules of TOSCA like Modules, Test Cases, Requirements, Test case Design & Execution Lists. Worked for TOSCA integration with Jenkins.
* Used C# for the implementation of Automation using Visual Studio.
* Work closely with technical project manager and developers to identify problems and offer improvements
* Proposed new approaches of UI Automation testing like Grid level test execution instead of an actual browser and series execution
* Proposed new approaches of UI Automation testing like Headless Browser and Grid level test execution instead of an actual browser and series execution
* Designed automation framework using Tosca and Individual contributor.
* Assisted in developing keyword Driven and descriptive programming framework for automation defects.
* Implemented Cypress with TypeScript to enhance test reliability and maintainability.
* Used Python scripting language to automate few of the test cases most of the test being related to feature ANT.
* Wrote test plans and project level test strategy documents Tosca Automation framework TBOX / TBOX modules, TCD, Requirements, APIs, BI in Tosca.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Center, Rally, JIRA, IBM Clear Quest, Bugzilla.
* Grow in a competitive and fast paced work environment and have a proven track record to meet all project deadlines

**Environment: Selenium WebDriver, TestNG, Jenkins, SOAPUI, SOAP, RESTful, HTML, XML, Jira, Java, Eclipse, Appium, Oracle, SQL, Maven, Junit, Chrome, Firefox, Cucumber, Gherkin, C#,Cypress, TOSCA**, **Android, iOS, windows, IE, CSS, Xpath, Agile, MS Office**

**Client: State of IA (Ames, IA) Jan 2023 to May 2024**

**Role: Sr. QA Test Engineer / SDET**

**Responsibilities:**

* Understand business needs and translate them to testing requirements, identify gaps, strategic and financial impacts
* Familiarity with Node JS, Angular JS and have done a POC on web automation framework using Protractor.
* Managing all the aspects of payroll accounting.
* Used python to develop Automation framework to Validate REST Web Services.
* Grouped test cases, test methods and test suites for regression testing using TestNG annotations like Groups, Parameter and Data Provider
* Coordinated with Business Analyst and development team to understand the architecture and functionality of the application
* Generated and Modified data in SAP GUI and tested it in Siebel CRM and vice versa, to verify customer data integration against different systems.
* Performed cross-browser testing using Cypress and BrowserStack.
* Wrote SQL queries in MySQL database to verify the data with GUI for data integrity and consistency.
* Implement a corporate payroll strategy including planning and communications.
* Involved in SEETEST and integration with JIRA. Responsible to record defects and reporting them to developers until they are resolved.
* Extending Tosca’s object recognition (Customizing) as part of client deployments
* Within a short span gained good knowledge on loan life cycle and tested the entirely new mortgage loans module in SAP GUI.
* Create jobs in Jenkins for Automated deployment of app and execution of scripts
* Monitored test execution status, generated log files through log4j2x loggers, appenders and used layouts to track the flow of test cases
* Performed BDD (Behavior Driven Development), ATDD (Acceptance Test Driven Development)and created feature files using Cucumber Features, Scenarios and Step Definitions
* Expertise in data driven testing using parameterization through excel files
* Apply different testing techniques for Windows and/or web-based applications which were developed under both .NET and JDK frameworks using both C# and Java languages.
* Created and executed test cases in Scratchbook with Tricentis Tosca.
* Integrated Cypress tests into CI/CD pipelines (Jenkins, GitHub Actions, GitLab CI/CD) for automated execution.
* Designed data-driven test cases with Cypress fixtures for dynamic testing.
* Captured screenshots with the help of Take Screenshot As and stored the images using File Utils. Copy file whenever an exception occurs
* Tested customizable features like send email button, call customer button, put holds on customer accounts, changing limit in Salesforce
* Extracted data from external Excel files using Apache POI and loaded into variables in scripts
* Created user documentation after every cycle which helped the new team members to go through the process before starting on the project tasks
* Used Postman for validating endpoints and making API calls to different systems across the platform
* Developed and implemented automated scripts for testing web-based applications using C#, Java, Eclipse, Visual Studio, Nuget, NUnit, JUnit, Specflow, and Selenium Webdriver.
* Manage project codebase, code reviews, resolve merge conflicts using Git and Gitlab
* Create, assign, track and manage bugs using YouTrack bug tracking tool
* Using and working with Tricentis Tosca in client engagements
* Extensive experience in reviewing and understanding of functional requirements and user stories.
* Interacted with the Offshore Clients, Product Owners, Developers and QA Manager for clear exposure to trickle down the technical/functional User Requirements & Change Requests to Test Plans and Test Scenarios under the Guidance of my Team Lead.

**Environment:** **Java, Selenium WebDriver, YouTrack, MySQL, Git, Gitlab, Android Studio, Apache POI, Log4j2x, TestNG, Cucumber, Soup UI, Chrome, Firefox, Firebug, TestNG,** **C#, Cypress, TOSCA, Jenkins, Postman, SQL**

**Client: Quadrant Resource Pvt Ltd, Hyderabad September 2021 – July 2022**

**Role: QA Automation Engineer**

**Responsibilities:**

* Developed Data Driven framework with Page Object Model pattern to retrieve test actions, test data from Excel files and relational databases
* Plan, organize and prioritize tasks ahead in a fast-paced environment
* Extensively used TestNG ITest Listener to generate automatic response on Test Success, Test Success percentage, Test failure, Skip, and Success
* Provided realistic estimates for tasks during sprint planning sessions and shared honest feedback in sprint review and retrospective meetings
* Applied assertions to validate XML, JSON using SOAPUI for SOAP and RESTFUL Web Services
* Developed scripts to navigate to various I frames and to handle multiple windows and performed operations on the web elements
* Created and launched Jenkins jobs and analyzed the test results from Jenkins UI
* Performed extensive regression testing and verified that new functionality doesn’t break the existing functionality of the application
* Provide regular feedback to Scrum team for bugs/performance issues found during development lifecycle
* Created test scripts in C# for newly added functionalities and maintained the Automated testing framework.
* Involved in understanding requirements, use cases, user stories and actively participated in cross-functional team meetings and discussions
* Prepared test plan, developed test scenarios, test cases, test scripts and test data for the application
* Built an end to end automation framework using Maven, TestNG, Page Object Model and Log4j
* Created Maven Project using Maven build automation tool to create dependencies like wars, jars and used plugins for invoking XML files
* Configured framework dependencies used by Maven and other configuration details in POM.xml
* Developed Test cases using Element Locators and Selenium WebDriver methods
* Created multiple tests with centralized data using properties files
* Parameterized tests with different data sets using TestNG and improved test coverage
* Used Jenkins for continuous integration, generate reports and trigger regression tests periodically
* Used Log4j to log automated steps and script errors and generate unique logging for each step of tests
* Involved in framework enhancements and code reviews
* Extensively used XPATH, Regular expression and classes to perform UI actions. Exported output/reports for all automated testing results
* Executing TOSCA scripts for Regression testing of the application with various data sources, data types, and logging defects. Used TOSCA TestSuite for test automation of an application built for SAP team.
* Write and revise automated test scripts for Functional, Performance and Load tests using .NET Framework ( C#) environments features.
* Experience testing web service using SoapUI. Used WSDL to test Soap services and tested Restful services using URI and Http methods. Wrote SoapUI Assertions to verify web service response
* Hands-on experience with all levels of testing viz., Integration, adhoc, Regression, Smoke, Sanity, Functional Testing, System testing and UAT
* Good knowledge on Java OOPS concepts, Exceptional Handling, I/O system, Java Collections API, JDBC
* Migrated Automation Scripts from Quick Test Professional to TOSCA Automation scripts.
* Developed Data Driven Tests using TOSCA and automated functional testing.
* Experience with TestNG XML files to create and handle multiple test cases and to manage test execution of different suites
* Configured tests with setup and teardown methods in TestNG framework
* Checked Log files to analyze errors occurred during testing and identified performance issues
* 1Generated HTML e-mail reports using maven and TestNG
* Used selenium APIs such as Take Screenshots for capturing failed test cases, keyboard and mouse event handling using Actions class

**Environment:** **Maven, TestNG, Soap UI, Xpath, Jenkins,** **C#, XML, TOSCA, JSON, Web services, DOM, Java, Mozilla, Chrome, IE, Firefox, WSDL, POM, HTML, Xpath, Log4j.**

**Client: Pi Log India Private Limited INDIA Nov 2015 to August 2021**

**Role: QA Analyst**

**Responsibilities:**

* Provided weekly status reports showing the progress of the manual testing effort and open issues to be resolved
* Documented the fixes for key issues that are being found by Offshore and Onsite teams for future reference.
* Attended walkthrough and daily standup meeting with business analysts, project manager and developers to understand the requirements
* Worked as a key member of People Project Advocate where new ideas are encouraged to make the team more efficient, engaged and challenging in turn making progress towards excellence
* Analyzed business requirements, functional and technical specifications and developed test scenarios according to it
* Created Requirement Traceability Matrix with reference to user stories, requirement specifications like Business Requirements Document (BRD), Software Requirement Specification (SRS) and Use case documents
* Identified test scenarios which are of high priority and marked the severity against each test case
* Coordinated with client and onsite team members and ensured that no slippages are there in the requirements.
* Create and support payroll processes by looking for ways to streamline current processes and improve productivity and efficiency.
* Use SAPGUI to execute test cases across various areas such as SAP FICO for Functional testing
* Test customer accounts and loan products data for its validity and correctness
* Perform compatibility and integration testing with SAPGUI and third-party applications like Siebel and Salesforce
* Written manual testcases according to test requirements and mapped the test case id, test execution status to scenarios. Also, evaluated and documented actual test results against expected results
* Performed manual testing using windows SAP Logon and interacted with SAP GUI to test the functionality of the application
* Performed smoke testing for preliminary analysis, functional testing, regression testing and UAT of the application
* Experience in Manual Testing, Automation Testing, API Testing and Performance Testing of Web, IOS, Android and Windows applications and experience in working with SQL, No SQL (Microsoft Azure Document DB). Developed automation script with WebDriver API using C#, and TestNG.
* Created customized test data of loan products during the smoke testing phase and tested the functionality against different loan products
* Applied credit/debit holds on accounts and performed negative testing by doing test transactions on account more than desired limit
* Maintained RTM and mapped each defect to test cases and ensured that maximum test coverage is achieved
* Performed peer review to ensure that each functionality mentioned in software requirement specification document is covered and is not misinterpreted
* Generated and Modified data in SAP GUI and tested it in Siebel CRM and vice versa, to verify customer data integration against different systems
* Documented the issues, practices, improvements and lessons learnt after every test cycle to avoid repetition of mistakes
* Created new defects directly in ALM, generated defect reports from HP-ALM to Excel whenever needed for easy analysis
* Tested modules of online banking which includes add external account, balance transfer, online payment management, mortgage, etc.
* Collaborate with developers to understand the functionality, design test plan and help them recreate bugs with documented steps
* Written test cases according to user stories, executed them, reported bugs and tracked the work flow of issues in Jira
* Imported test cases from excel to HP-ALM, managed test execution, generated test metrics and execution reports using HP-ALM
* Link defect ID to appropriate test cases in ALM for easy analysis of execution status reports
* Used SharePoint for easy document storage and management within the team
* Within a short span gained good knowledge on loan life cycle and tested the entirely new mortgage loans module in SAP GUI

**Environment:** **HP-ALM, SAP-GUI, SAP-Logon, Salesforce, SharePoint, Manual Testing, Requirement Traceability Matrix, Java, JavaScript, DOM, Excel, JIRA, Agile, Internet Explorer, Chrome, Firefox, Siebel**

**Education :**

**Bachelors:** Nalla Malla Reddy College of Engineering Mechanical Department. INDIA 2015

**Masters :** Webster University Information Technology Orlando FL USA 2024