**Madhavi.K**

Automation Engineer(SDET)

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**PROFESSIONAL SUMMARY**

* Nearly 8 years of professional experience in testing with extensive knowledge of Automation Framework Design & Implementation using **Selenium** Tool.
* Experience in **Manual & Automated Testing** of GUI and functional aspects of Client - server and Web based Applications on multiple levels of SDLC, STLC and Quality Assurance process and worked on Retail, M&L, and Insurance domains with **Waterfall and Agile methodologies**.
* Good Knowledge and experience in Object-Oriented programming Concepts (OOPS) using **Core Java** and JavaScript.
* Good Experience in creating test scripts **using WebDriver, Selenium-IDE, Selenium Grid in Java**.
* Experience in Functional, Regression and System testing using Manual and Automated testing tools - **selenium WebDriver, Junit, TestNG, and Maven**.
* Experience in **data-driven test** using Jenkins and Excel.
* Good Experience in using FireBug and in **writing Dynamic XPath** to locate web elements.
* Worked on Cross browser testing, browsers like **Mozilla Firefox, Google Chrome** and IE using **WebDriver.**
* Experience in analyzing Business, Functional and Technical Specifications. Good Understanding on calculating capacity, analyzing User Stories and acceptance criteria in **agile methodology**.
* Experience in writing Test Plan,Test Scenarios,Test Cases, Test Procedures and Test Scripts from requirements and Use-Cases, **Requirement traceability matrix**,Defect management, Summary reports.
* Expertise in performing different types of Testing: White Box (Unit Testing, Integration testing), **Black Box, Smoke, sanity, Integration, Stress, Volume, System, Performance and Regression Testing.**
* Conversant in handling Cookies and alerts in Selenium WebDriver, **Auto IT to automate the Windows GUI and Window pop-ups.**
* Automated Mobile application using testing tool **Appium and WebDriver.**
* Experience in writing **SQL queries** for database related testing.Extensive experience in Extraction, Transformation and Loading of data from multiple sources into data staging, warehouse and other system integration projects.
* Experience in working with **Test Driven development (TDD/BDD**) by writing **gherkins languag**e in **cucumber tool**.
* Experience of Creating, Modifying and Maintaining new and existing Automation frameworks Models(**Hybrid, Keyword and Data driven frameworks**). Experience in creating page objects by using **Page Object Model,** developing reusable library functions.
* Experience in testing Web Services-SOA architecture, RPCs, XML transactions, SOAP, HTTP, WSDL, and **REST** using various industry standard tools like SOAP UI.
* Experienced in Defect Management Tracking, Establishing Test Standards, Procedures, Test Execution, Documenting and Analyzing Test Results. Depth knowledge of Defect management tools and Bug Reporting Tools including Rally, **Jira a**nd **Quality Center(ALM**).
* Experience of working extensively in **Agile Testing Environment (Agile /scrum model**) and expertise in attending Scrum calls, Sprint Planning, Reviews and retrospective meetings.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environments.

**Education**:

**Certification**: Diploma in Computer Applications, 2008.

Master of Business Administration, Andhra University, 1998.

Bachelor of Commerce Andhra University, 1996.

**Technical Skills:**

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| **Methodology** | Agile (Scrum), Waterfall, SDLC and STLC |
| **Technical Leadership** | Estimations, Project Planning and Project Scheduling, ProjectExecution, Task Assignment, Tracking and Status Reporting, Risktracking and Management, Team Coordination and working withvarious Cross Functional Teams, Impact Analysis, ChangeManagement, Agile, Waterfall and Prototype Models |
| **Testing tools** | Selenium (Selenium IDE, Selenium RC, Selenium Web Driver),Protractor, HTML, Cucumber, TestNG, JUnit, UFT/QTP,APPIUM,Soap UI, RESTFUL, POSTMAN and Gherkin |
| **Build & Integration Tools**  **(CI/CD)** | Maven, ANT, SVN, GIT, Bitbucket, Jenkins. |
| **Reports** | JSON, XML, HTML |
| **Programming Languages** | JAVA, OOPS |
| **Databases** | Oracle, SQL Server. |
| **Testing Frameworks** | Data-Driven, Keyword-Driven, Hybrid, Test Modularity, BehaviorDriven Development(BDD), JBehave and Page ObjectModel, page factory. |
| **Other tools** | Jira, Rally, Bugzilla, HP Quality Center, HP ALM, Auto IT, JMeter, Eclipse, Firebug. |
| **Mobile Test Frameworks** | Appium |
| **Automation tools** | Cucumber, JUnit, TestNG |
| **Web services** | SOAP and RESTful web services testing |
| **Browsers** | Internet Explorer, Mozilla Firefox, Google Chrome, Safari, Opera |
| **Markup Languages** | HTML, CSS, XML, XPath, CSS Selector |
| **Operating Systems** | UNIX, WINDOWS, Linux |
| **MS Office Tools** | Outlook, MS Word, MS Excel, MS PowerPoint, MS Access |

**Professional Experience:**

**Client: TJ Maxx, MA Massachusetts Jan’18 – Jan 21**

**Role: QA Automation tester.**

TJ Maxx is an American departmental chain. It has more than 1,000 stores in the USA making it one of the largest off-price clothing retailers in the country. As part of the Stores Expansion initiative, this project scope was to increase the Stores to 4-digits and test the process end-to-end ensuring seamless ensuring seamless flow of the business. Was part of two projects, Stores expansion to 4 digits, the web application testing and Archival of data for TJ Maxx, Home goods and Marshalls.

**Roles & Responsibilities**:

* Testing of new features by creating test specifications, test cases, and working closely with development and business teams.
* Worked on **HP ALM** for loading all user stories and defect tracking.
* Performed Functional Testing, Regression Testing, User Acceptance Testing (UAT), and Integration Testing using Black Box Testing methodologies. Reviewed and updated **Requirements Traceability Matrices (RTM**) that satisfy all required projects test conditions.
* Used **Selenium IDE and Selenium Web Driver** for generating test scripts and to Automate Functional and Regression Testing using Selenium.
* Automate the test cases using **Selenium Web Driver with JAVA and TestNG framework**.
* Implemented well-formatted Logs by using API’s Like Log4j and Reports using **TestNG**, ANT etc.
* Written all test cases in Java by using OOPS concepts like **polymorphism, inheritance** and encapsulation.
* Performing Data driven testing to validate the components displayed on the website using Selenium.
* Expertise in functional**, data-driven testing** for web-based applications.
* Tested the application in different browsers such **as I.E, Safari, Google Chrome and Firefox using Selenium Grid.**
* Automated internal **Mobile application** module using **Appium** and Web driver by setting the Emulator, simulator and tested on various browsers.
* Tested **REST** and SOAP Services by using SOAP UI tools and Rest Clients and validated the responses against the database.
* Followed Agile testing methodology, participated in daily **SCRUM meetings** and testing each **SPRINT deliverables**.
* Experience in writing test planand test cases using **MS Excel**.
* Participated **in Agile Scrum methodology** with daily stand-up meeting for the project.
* Analyzed test requirements, created test scenarios.
* Designed, executed and maintained automated test cases using Selenium for Data Archival.
* Extensively worked on **Selenium Web Driver** with the preferred language **as core Jav**a.
* Improved data driven Selenium framework by creating methods to **save/create screenshots** on test failures.
* Executed test cases, logged defects, and retested to verify the fixes. Documented and reported all defects in Jira. Verified test results against functional specifications and MS Office Tools Outlook, MS Word, MS Excel, MS PowerPoint, MS Access prepared test report. Developed Test reports using templates and developed bug reports and Bug tracking **in Jira**.
* Create and execute **SQL queries** to fetch data from the database to validate the user interface (UI).
* Responsible for updating existing Test Cases against the change of requirements.
* Participated in validation of the archived data as per the legal retention policy.
* Worked closely with business experts and developers in order to perform my duties.
* Produced quality work that is consistent throughout the projects

**Environments**: **Oracle, SQL, MS Excel, Jira, Selenium WebDriver, Selenium IDE, TestNG, Eclipse, Java,Maven, Appium, Apache POI, HP ALM,Eclipse, XPATH, HTML, SQL, Jenkins, UNIX.**

**Client: Schneider National Feb 2017- Dec 2017**

**Role: Automation Tester**

Schneider National is a provider of truckload, intermodal and logistics services. Schneider's services include regional, long haul, expedited, dedicated, bulk,intermodal, brokerage, cross-dock logistics, pool point distribution, supply chain management, and port logistics. The project was based on web application testing.

**Roles & Responsibilities:**

* Analyzed the system requirements, developed detailed test Scenarios and test cases, and provided the documentation. Collaborated with product management teams in an **agile environment** to develop a comprehensive set of tests for web-based applications.
* Studied and analyzed the Functional Requirements Specifications and System Design Specifications and interacted with developers for changes in requirements if any.
* Knowledge in developing Test plan of the application as per technical specifications.
* Involved in writing Unit and Regression Test cases.
* Involved in setting up the automation framework using **Selenium Web Driver, TestNG. Used XPath** and DOM to work with dynamic and static objects in **Selenium**.Configured **Selenium WebDriver, TestNG** and created selenium automation scripts in java.
* Invoking browsers and automation by using Java and reusability of code is achieved **by OOPS**.
* Created automated test scripts for validating the nightly product builds and regression testing.
* Maintained Defects using Defect Tracking System in **Quality Center**.
* Participated in various meetings and discussed Enhancement and Modification Request issues.
* Creating and maintaining various databases using SQL Server 2005/2000.Prepared manual test cases for service appointment creation, modification and deletion
* Involved in scripting the Test cases for ACH payments, ACH Templates.
* Created automated test scripts for validating the nightly product builds and regression testing.
* Maintained Defects using Defect Tracking System in **Quality Center**.
* Participated in various meetings and discussed Enhancement and Modification Request issues.
* Worked on performance test plan creation for **web services**.
* Tested the performance and data collection through web services via open-source tool **SOAPUI.**
* Performed all test assignments to ensure the application meets business requirements and client expectations. Interacted with developers & various members of project team to discuss and resolve defects and to determine their priorities.Summarize test results in formula test analysis reports according to the documentation standards. Enhanced on TSYS applications for avoiding real time fraud capabilities with machine learning technology.

**Environments: Java, J2EE, JSF, Selenium WebDriver, TestNG, TSYS, SQL, Quality Center, Jenkins,Windows XP, MS Access and MS Excel.**

**Client: Reader’s Digest, NY USA Jan 2012 – Nov 2013**

**Role: QA Automation tester**

Project Summary: Reader’s digest is America’s fourth largest circulated Magazine brand, standing out more than ever in today’s cultural landscape due to its themes of optimism, faith, heroism,trust,humor and wellness. Involved in testing the “Subscribe” feature of the web application.

**Roles & Responsibilities:**

* Actively involved with **SCRUM** and sprint meetings, managing product backlog, removing obstacles to progress, re-allocating resources where necessary, prioritizing and review milestones and accomplishments.
* Configured **Selenium WebDriver, Junit, Ant too**l and created selenium automation scripts in java prior to agile release.
* Responsible for implementation of **Hybrid Test Automation Framework build using Selenium WebDriver,** Junit and Ant technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Written all test scripts **in JAVA** using OOPS and collections concepts.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using **Selenium Grid** and Jenkins.
* Used automated scripts and performed functionality testing during the various phases of the application development using **Selenium.**
* Extensively **used Selenium IDE** to record, playback and debug individual test cases
* Implemented Regression and Smoke tests execution as separate step of deployment process by using **WebDriver.**
* Performed **Data-Driven testing** by developing Java based library to read test data from Excel and Properties files.
* Extensively used **Selenium (XPath and CSS locators**) to test the web application.
* Used SOAP UI to test SOA based architecture application to test **SOAP services** and **REST API**.
* Reviewed database test cases according to assigned Requirements to validate reports by retrieving data with complex **SQL queries** from the oracle database.
* Defect Triaging and Release sign off for Continuous Delivery cycles.
* Writing complex **SQL queries** and update transaction and properties for accounts on 5 of 6 stages for UI testing, Integration testing with different data points etc.
* Created strategic plans for safely automated variety of VMware management tasks, including workload placement and rebalancing to enable infrastructure and application performance.
* Used Git/GitHub for code repositories and Ant for the dependencies.
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment: Selenium Web Driver, Junit, Ant, Jenkins, Soap UI, Rest, Cucumber, HTML, XML, XPath,CSS,Firebug,GIT,SQL,Oracle,Windows,CI/CD(SVN).**

**Client: United Healthcare Ltd, MN USA March 2010 – Dec 2011**

**Role: QA Manual tester**

Project Summary: The project is Database Management system(ERP) is based on Data archival based on the legal requirements of the company. Transactional data of less legal importance is archived from high frequency servers to low performance/cheaper storage and purged from the main system. The consistency of the data was tested in the archived database for reporting purposes.

**Roles & Responsibilities:**

* Functional and Technical understanding of the insurance domain to validate the data obtained.
* The consistency of the data is verified by **running SQL queries**,before and after the archival on the source and target databases respectively.
* As part of the validation**, Data from Order management, General ledger, account payables and account receivables** has been verified by running reports before and after archival of data. The consistency of the data is tested in the archived database for reporting purposes.
* Worked with **SQL Queries** using joins to facilitate the use of huge tables for processing several records in the database.
* Executed **SQL** conversion pre-validation and post-validation scripts to avoid data loss.
* Analyzed functional testing requirements and developed test Scenarios and test cases in **Excel.**
* Created test scenarios &performed manual testing by execution of test cases.
* Completed functional and regression testing against specification.
* Executed test cases, logged defects, and retested bug fixes.
* Maintained and executed test cases using **Quality Center**.
* Verifying the results with the given list of functional specifications and finally documented the result in test report
* Participated in a weekly meeting with Managers and Project Lead to discuss issues and the progress of ongoing projects.
* Provided daily testing status to the QA lead.

**Environment: Oracle 10g/9i, SQL, SSIS, SSRS, SQL\*Loader, UNIX, SQL Server 2008 R2, SQL Query Analyzer, TOAD 9.5, MS Office, XML, Windows Server 2003, Mercury Quality Center 9.2.**