**INDU MACHARLA**

QA Automation Engineer

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**Experience Summary**

* Over 8+ years of progressive experience in Software Testing in areas of Web based, Client-Server applications using Manual and Automation testing techniques.
* Extensive experience in execution of **Regression Testing**, **API Testing,** **Smoke Testing**, **System Testing**, **Black Box Testing** and related Test Methodologies.
* Experience in different phases of Software Development Life Cycle (**SDLC**) including **Agile** **Methodology**, **Waterfall** and **TDD**.
* Extensively used automated tools like **Selenium** for **Functional** and **Regression** testing.
* Experience in understanding and analyzing the Business Requirement and Functional Specification, writing test cases and executing test cases.
* Experience in developing the **Framework**, identifying **Dynamic elements** in a webpage, windows and frames switching.
* Good knowledge in **API testing** and performed **Functional** Testing, **Non-functional** Testing, **Regression** Testing, **Performance** Testing, **Sanity**, **Smoke** testing, and **UAT** testing in a strict Agile development method.
* Proficient in testing database of applications developed with **SQL Server** and **MS Access**.
* Experience in developing automation scripts with **OOPS**, **JAVA** and **Selenium** **WebDriver** technologies by implementing Page Object Model.
* Having good knowledge in **Window Handling**, **Frame switching**, Alerts, Pop- ups which will avoid the run time exceptions.
* Experience in designing Selenium WebDriver automation framework using Page Object Model (**POM**).
* Experience automating web service **API’s** using **SOAPUI**, **SOA Test** and **REST Client**.
* Excellent experience in repository management tools like **GIT** & **TFS**.
* Have experience in analyzing the Business Requirements/Functional/System Requirements to identify Test Scenarios.
* Experienced in developing User Interface design using **CSS**, **HTML**, **C # .Net, Java** and

**Java Script**.

* Experience in **Black Box** Testing and **White Box Testing** Techniques - Boundary Value Analysis and Equivalence Portioning.
* Involved in backend testing (Data Validation Testing) by executing **SQL** queries.
* Extensive experience in Test Plan, Test Cases, Test Executions, and Skills in writing Test approach, Test Data Preparation.
* Expertise in documenting defects with high level of detail, accuracy and information recreation steps using Team Foundation Server (**TFS**), Jira.

**Technical Skills**

* **Operating systems**: Windows, UNIX
* **Testing Tools**: Quick Test Pro (QTP), Quality Center (QC), TOAD, Test NG, Selenium IDE/Web Driver
* **Databases**: SQL Server, Oracle 10g,11g
* **Programming Languages**: C#.Net, HTML/CSS, SQL, VB Script, JAVA
* **Defect Tracking Tools**: Quality Centre/ALM
* **Developer** **Tools**: Toad
* **Web Services**: Soap UI, Rest, Postman
* **Methodologies**: Agile/SCRUM, Waterfall
* **Other Tools**: MS office Suite: Word, Excel, and Power Point, TFS, GIT, Jira,Visual Studio

**Professional Experience**

**Client: TCS, Dec 2021 to May 2022
Role: Test Engineer**

**Responsibilities**:

* Followed Agile (**SCRUM**) Methodologies for all the Phases of **SDLC**.
* Prepared deliverables for the project like Functional Test Plan, Test Scripts, and End of Test Reports.
* Effective coordination between development team and testing team.
* Complicated in User Interface design using **HTML, CSS**, **C#** and **Java**.
* Involved in **SOA** testing includes developing test scripts in manual testing and automated testing environments.
* Involved in writing and executing script for regression and functional testing using **QTP** and **HP ALM**.
* Validated **SOAP UI** and **Restful API** Services.
* Extensively involved in **Manual functional** testing of the application based on the test cases created.
* Involved in building automation framework from scratch using **Selenium WebDriver**, **JAVA**, and **Eclipse**
* Setup **Selenium GRID** to run Selenium scripts on different browsers.
* Developed manual test scripts and automation test scripts using Selenium to evaluate Security of Web based user authentication apps.
* Performed Back End testing of the database by using SQL queries to make sure that the SQL Server database reflects the updates/change, to verify the database Integrity.
* Extensive usage of HP Quality Center ALM for writing test cases and updated the test results after execution of test cases.
* Executed Functional/Regression test cases for each release to check the existing Functionality of the application.
* Conducted Smoke Testing, Functionality testing and Integration testing, GUI and Regression testing during the various phases of the testing.
* Managed manual test plans in Microsoft Excel, Excel Macro and Microsoft Word.
* Managed requirements, test cases and test scripts using HP QC (Quality Center).
* Performed Load testing to check the system behavior and resolved the performance issues using HP Load Runner.
* Responsible for Test Execution and logging Defects in TFS, Jira/HP ALM.
* Prepared Daily Status Report which included overall progress on the testing deliverables along with graphs and tables.
* Excellent multi-tasking skills and prioritize effectively and Report timely and accurate status to Manager.

**Environment**: Windows, Selenium WebDriver, Eclipse, APPIUM, SOA, C#, JAVA, HTML, MS-Office, SQL Server 2019, QTP (QTP 9.2 & 9.5), Quality Center (QC 9.0 & 9.2), HP Load Runner, HP ALM, UFT.

**Client: Truist Bank, Dec 2019 to Nov 2020
Role: Test Engineer**

**Responsibilities**:

* Analyzed Functional Requirement and Business Requirement documents and developed test cases and test scripts.
* Participated in test plan creation and from the detailed requirements, created manual test cases for web applications.
* Developed test plan, test cases, executed test cases, logged defects and provided testing signoff.
* Discussed with the team members on the functional aspects of the project.
* Wrote functional test cases according to test plan.
* Used UFT to check for broken images on the web page.
* Managed manual test plans in MS Excel, Excel Macro and Word.
* Carried out extensive backend using SQL queries for verification of Data Transactions, Data Validation and Data Integrity in Oracle 11g.
* Performed Functional/Regression Testing on every new build of the application.
* Performed manual testing of a Web Application and developed UFT automation scripts.
* Trouble Shooting technical issues and working closely with development teams to resolve.
* Performed browser compatibility testing (Firefox, Chrome, Safari, etc.) of the Web Application to ensure that functionality works fine.
* Designed the Test Strategy for multiple projects, Defect Management using Quality Center (HP QC)/ALM.
* Responsible for execution of regression scripts on each Service pack release and updated results in ALM and manage defects in ALM.
* Performed the Load testing by creating the Virtual users using HP Load Runner.
* Generating Daily test execution status reports and reporting to the project teams
* Participated in business review meetings to report the project status and planning the upcoming automation development projects
* Performed all phases of testing like Performance Testing, Load Testing, Security Testing, Integration Testing, Regression Testing, and UAT Testing.

Environment: Windows, Selenium WebDriver, Eclipse, APPIUM, SOA, C#, JAVA, HTML, MS-Office, SQL Server 2016, QTP (QTP 9.2 & 9.5), Quality Center (QC 9.0 & 9.2), HP Load Runner, HP ALM, UFT.

**Client: SunTrust Mortgage Bank, April 2018 to Nov 2019
Role: QA Tester**

Responsibilities:

* Analyzed Functional Requirement and Business Requirement documents and developed test cases and test scripts.
* Participated in test plan creation and from the detailed requirements, created manual test cases for web applications.
* Developed test plan, test cases, executed test cases, logged defects and provided testing signoff.
* Discussed with the team members on the functional aspects of the project.
* Wrote functional test cases according to test plan.
* Used UFT to check for broken images on the web page.
* Managed manual test plans in MS Excel, Excel Macro and Word.
* Carried out extensive backend using SQL queries for verification of Data Transactions, Data Validation and Data Integrity in Oracle 11g.
* Performed Functional/Regression Testing on every new build of the application.
* Performed manual testing of a Web Application and developed UFT automation scripts.
* Trouble Shooting technical issues and working closely with development teams to resolve.
* Performed browser compatibility testing (Firefox, Chrome, Safari, etc.) of the Web Application to ensure that functionality works fine.
* Analyzing and providing estimates for new enhancements.
* Providing Test scenario walkthroughs to Team on New Enhancements.
* Reviewing test Scenarios and test cases and providing inputs to peers.
* Preparing Test scenarios
* Preparation and Execution of Test Cases & finding defects.
* Execution of Regression test cases.
* Execution of Sanity test after weekly deployment.
* Reporting the bugs in MTM/TFS.
* XML files validation
* Handling Release activities from QA team.
* Supporting team with new Requirement and Concerns.
* Sending team status report to the Onsite Team daily.

**Environment**:  Windows Server 2007, UFT/QTP, MS SQL Server 2005/2008, MS Office, Excel Macro, HP Load Runner, HP Quality Center 10.0/9.2, Application Life Cycle Management (ALM 11.0), UFT.

**Client: REDWOOD, Sept 2017 to MAR 2018**

**Role: QA Tester**

**Responsibilities**:

* Understanding the requirements specified in the functional specification document, analyze the requirements to prepare Ambiguity Matrix.
* Prepared Test Plan document.
* Prepared & Executed Test Scenarios/Test Cases.
* Performing Smoke tests to check the acceptance of new builds during the testing phase.
* Involved in Build Acceptance Testing, Functionality Testing, Regression Testing, Retesting and End to End Testing User Acceptance Testing.
* Publishing Project DASHBOARD to my Delivery Manager and Client as well on Daily basis.
* Use Microsoft Team Foundation Server and JIRA tool to report bugs and track the reported bugs.
* Verifying the data in the backend using SQL server.
* Attend Defect Triage call on daily basis with Development team and Product Development Team for Tracking Issues easily and make sure that both teams are in same page.
* Review test scenarios and test cases prepared by new bees.
* Closely worked with the development team for defect resolution.

**Environment**: Windows Server 2007, UFT/QTP, MS SQL Server 2012, MS Office, Excel Macro, HP Load Runner, HP Quality Center 10.0/9.2, Application Life Cycle Management (ALM 11.0), UFT.

**Client: Bayview, Sept 2014 to Aug 2017**

**Role: QA Tester**

**Responsibilities**:

* Understanding the requirements specified in the functional specification document, analyze the requirements to prepare Ambiguity Matrix.
* Prepared Test Plan document.
* Prepared & Executed Test Scenarios/Test Cases.
* Performing Smoke tests to check the acceptance of new builds during the testing phase.
* Involved in Build Acceptance Testing, Functionality Testing, Regression Testing, Retesting and End to End Testing User Acceptance Testing.
* Publishing Project DASHBOARD to my Delivery Manager and Client as well on Daily basis.
* Developed test **plan, test cases, executed test cases, logged defects** and provided testing signoff.
* Discussed with the team members on the **functional** aspects of the project.
* Wrote **functional test cases** according to test plan.
* Used **UFT** to check for broken images on the web page.
* Managed manual test plans in **MS** **Excel, Excel Macro** and **Word**.
* Carried out extensive backend using **SQL** queries for verification of Data Transactions, Data Validation and Data Integrity in **Oracle** **11g**.
* Use Microsoft Team Foundation Server and JIRA tool to report bugs and track the reported bugs.
* Verifying the data in the backend using SQL server.
* Attend Defect Triage call on daily basis with Development team and Product Development Team for Tracking Issues easily and make sure that both teams are in same page.
* Review test scenarios and test cases prepared by new bees.
* Closely worked with the development team for defect resolution.

**Environment**: Windows Server 2007, UFT/QTP, MS SQL Server 2012, MS Office, Excel Macro, HP Load Runner, HP Quality Center 10.0/9.2, Application Life Cycle Management (ALM 11.0), UFT.

**Education**

**Malla Reddy Engineering College| Hyderabad, INDIA**

Bachelor of Technology in Computer Science 2015