**Siddhanta Malla**

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***Professional Summary:***

About 6 years of extensive experience in Analyzing, Designing and Implementation of QA testing strategy for **Web-based and Client/Server applications** using **Manual and Automation testing**. Strong analytical, communication, problem-solving, decision making and organization skills and an excellent team player.

* Proficient in analyzing **Business and Functional Requirement/Use Case** documents for creating test cases.
* Excellent understanding and experience of working on all phases of **SDLC**.
* Experience in creating test data and **end to end testing for POS devices/applications**.
* Solid understanding and working experience working on AGILE methodology and involved in all phases of **Software Development Life Cycle (SDLC)** and **Software Testing Life Cycle (STLC).**
* Expert in manual testing using user interface and proficient in **Regression Testing, User Acceptance Testing**
* Experience in **Bug Tracking** and **Defect Management life cycle.**
* Solid understanding of high-level languages like **C#** and **Java**.
* Developed and implemented automated scripts for testing web-based applications using **C#**, **Java**, **Eclipse,** **Visual Studio**, **Nuget**, **NUnit, JUnit, Specflow,** and **Selenium Webdriver**.
* Strong experience with **Selenium WebDriver** on creating C# or Java test scripts for **Black Box Testing** and **White Box Testing.**
* Strong experience testing **API** and **web services** in a manual and automation approach.
* Experience working on **Behavior Driven Development (BDD**) using tools like **Specflow** and **Cucumber** using **Gherkin**.
* Demonstrated ability to work on **Workflow Diagrams, Entity Relationship Diagrams,** and **Data Flow Diagrams.**
* Good knowledge in mobile testing using **APPIUM** in both **IOS** and **Android** applications using **simulator** and **emulator**.
* Well versed in different management scenarios like Change Control, Quality Assurance, Defect Tracking, System Integration, and Task Scheduling.
* Experience in writing **SQL queries** and experience in **SQL Server** and **Oracle.**
* Proficient in using basic **SQL** queries to perform backend testing for data integrity and validating **stored procedures**.
* Experience using different version control systems such as Git, Bitbucket, Source Tree.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under a high stress environment.
* Good analytical and communication skills and ability to work independently with minimal supervision and perform as part of a team.
* Solid experience with bug/defect tracking tools like **Team Foundation Server (TFS) and JIRA.**
* Quick learner with strong Analytical and Problem-Solving skills, Multi-Tasking abilities and proven experience in utilizing process knowledge of various technologies and domains.
* Excellent **team player** with excellent interpersonal and communication skills.
* Demonstrated ability to **self-motivate** and be flexible within a fast-paced environment

***Technical Skills:***

| **Testing Tools** | Selenium WebDriver, JUnit, TestNG, QTP, HP Quality Center/ALM, Postman, Soap UI, Specflow, Cucumber, TFS, Jira, Appium  |
| --- | --- |
| **Languages** | C#, Java, HTML, CSS, XML, SQL |
| **Web Debugging Tool** | XPath, Fire Path, Firebug |
| **IDE and Tools** | Visual Studio, Eclipse, IntelliJ, SSMS, Maven |
| **Continuous Integration Tools** | Jenkins, Bamboo |
| **Methodologies** | Agile-Scrum, Waterfall, TDD, BDD, DDD |
| **Defect Tracking Tools** | TFS, Jira, Quality Center |
| **Databases** | SQL Server, MS Access, My SQL, Oracle |
| **Operating Systems** | Windows, UNIX, LINUX |

***Professional Experience:***

**Advance Auto Parts, Richmond, VA Date: Dec 2020 - Present**

**QA Automation Engineer**

**Roles and Responsibilities:**

* Worked in **Agile/Scrum** methods for testing approach, attended daily Stand-up calls, Functional Review meetings with the **Scrum team**, created **Test Plan** for different Sprints and Stories
* Worked on the UAT team extensively to perform UAT Testing for the application to check if the contracts and specifications are met.
* Responsible for creation, preparation, implementation of testing strategies to ensure integrity of software testing.
* Involved in creating and planning **test plan** documents and **test strategy** documents.
* Extensively automated regression and functional test suites by developing multiple test cases and test suites using **Selenium WebDriver** with **Java**.
* Actively participate in the team meeting with the developer and business to understand the test requirements effectively.
* Wrote automation test scripts using **Java**, **Maven**, **TestNG** in **IntelliJ IDE**.
* Used **Gherkin** to write test scenarios in the **BDD** framework using **Cucumber**.
* Built the entire automation framework using Behavior Driven Development approach using **Cucumber** and **TestNG**.
* Extensively tested **REST API/web services** using **POSTMAN** and validated the JSON responses.
* Worked in **DevOps** , installing, configuring and integrating Automation scripts on Continuous Integration tools (CI/CD) like **Jenkins** for nightly test suite execution and working on knowledge on testing and configuring **Amazon Web services(AWS)**
* Used **JIRA** as a project management tool to log defects and track the project.
* Tested web-based applications both **manually** and **automated** the test cases using **Selenium Web Driver**.
* Worked with AWS cloud machines to setup selenium GRID and also Jenkins server on HUB machine.
* Automated internal **Mobile application** module using **Appium** and Web driver by setting the **Emulator**, **simulator** and tested on various browsers.
* Utilized role in mobile testing using **Appium** Mobile for testing client's mobile apps on the **Android platforms**.
* Proficient in using different request methodstesting using POST, GET, PUT, and DELETE in **POSTMAN** to make **API** calls.
* Automated **web services/api** using **Rest Assured library** to validate the **JSON** response**.**
* Maintained **Traceability Matrix** to track the requirements to the test cases to ensure complete test coverage in the **Jira**.
* Integrated **GitHub** with **Jenkins** for **Continuous Deployment** and **Continuous Integration (CI/CD)** and scheduled the job triggers.
* Extensively performed **functional**, **regression**, **black box testing** in the **UAT** environment to verify the functionality of the application.
* Executed **SQL queries** to get the data from the database and validate them.
* Verified the entire **STLC** process to ensure that all the phases have been completed and reviewed.
* Communicated with the project manager, team lead about the status of the test schedules and project status from testing perspective.

***Environment****:* AGILE, JIRA, SQL, Postman, Selenium Webdriver, BDD, Cucumber, TestNG, Appium, JAVA, Jenkins

**Delta Dental, Oak Brook, CA Date: Sep 2018 to Nov 2020**

**Automation Engineer/ SDET**

**Roles and Responsibilities:**

* Worked on documenting Automated Test Strategy and assisted the Testing Team with on-going Automated Test Execution.
* Performed functional, regression and **UAT** Testing extensively using **Selenium Webdriver**.
* Designed, developed and delivered automated solutions to test **API / Web Services**, database components, web applications using **C#.**
* Created automation framework in **Selenium WebDriver** and **NUnit** using behavior driven approach like **Specflow**.
* Developed **Test Plan, Test Cases/Test Scripts** and reviewed baselining of scripts with different Data sets as input.
* Responsible for Executing and Maintenance of **Automated and Manual Test scripts**.
* Developed and maintained **Manual and Automation test scripts.**
* Involved in Database Testing using **SQL** queries of the Application such as checking all the tables in the **Database** and checking whether the data is moving in their respective tables.
* Implemented Page Object Model **(POM)** design pattern for UI automation testing.
* Wrote SQL queries to retrieve the information from the databases to check whether the data has been updated.
* Developed and executed several **SQL** queries in SQL Server as part of backend testing and involved in data validation and verifying data-integrity and also to check the data flow between different Systems.
* Used **Postman** to test the **API** responses and validate the data in the **UI.**
* Responsible for testing the application against different environments in QA, staging and production.
* Performed **Load** and **Stress** testing by developing **LoadRunner** scripts to find out effective Web/App server configurations for best performance levels.
* Designed Performance test scenarios using **LoadRunner** conducted Stress Test and analyzed the result.
* Wrote **test cases** to test the **mobile application** and executed them manually.
* Performed **CI/CD** jobs/pipeline using **Jenkins**.
* Used **Team Foundation Server (TFS)** to open bugs, create tasks and user stories, initiate change requests and deploy applications.
* Implemented test schedule, tracked defects and assigned them to developers based on their priority.
* Verified that the Software Quality Assurance Standards are met throughout all phases of development.

***Environment****:* AGILE, TFS, SQL, SQL Server, Postman, Selenium Webdriver, Jenkins, NUnit, Nuget, C#, Visual Studio, LoadRunner

**UMB Bank, Kansas City, MO Date: Mar 2017 to Aug 2018**

**QA Automation Engineer/ SDET**

**Roles and Responsibilities:**

* Created Test plans, managed team members, assigned tasks and conducted meetings.
* Follow **Agile Methodology** for all the phases of **SDLC** and interact with Lead, Business Analyst, Developers and other QA Members during Daily Stand-Up Meeting.
* Actively involved in all stages of **STLC (Software Testing Life Cycle)**.
* Created and maintained test plan, test cases and automation test documents.
* Extensively automated **Regression and Functional** test suites by developing test cases and test suites using **Selenium WebDriver** in **Java**.
* Work on software Verification and Validation manually and use Assertions for **automation**.
* Designed and executed the Automation Test Scripts using **Selenium Webdriver** and **TestNG**.
* Performed Data driven testing using Selenium Webdriver, **TestNG** functions and **JDBC** Connections which reads data from scripts using property and **XML** files.
* Involved in executing **SQL** queries to conduct Data integrity testing by checking the data tables from the **Oracle** Database
* Used **Maven**, **Selenium Grid** to execute Selenium automation suites on different platform, browser combinations in parallel.
* Created **TestNG** XML based test suite and integrated with **Jenkins** Server to execute automation scripts on a regular basis by scheduling Jenkins jobs in different test environments with different test configurations
* Automated regression test suite using in house automation framework based **on Java Selenium**.
* Performed **functionality** and **regression testing** during the various phases of the application using **Selenium**.
* Proficient in using Postman for API testing using POST, GET, PUT, and DELETE.
* Automated api/web services using **Apache Http Client** and validated the responses and **status codes** and **request body**.
* Used **Jira** to open bugs, create tasks and user stories, initiate change requests.
* Effectively Communicated testing status to QA lead, project managers, and teams who are involved in **User Acceptance Testing**.

 ***Environment:*** Java, TestNG, Postman, Windows, Gherkin, Cucumber, BDD, SQL Server, Agile, API, Jira, Selenium WebDriver

**GM Financial, Arlington, TX Date: Sep 2015 to Feb 2017**

**QA Analyst**

**Roles and Responsibilities:**

* Heavily involved in interacting with the **Business Clients, Product Owners, Developers and QA Manager** to analyze the technical/functional User Requirements & Change Requests to Test Plans and Test Scenarios.
* Attended Change Request Meetings to ensure products and changes are fully documented for further Test changes.
* Manually tested the Web application to ensure the flow of the application functionality.
* Performed retesting after fixing the bugs manually.
* Tracked and Logged Bugs in a Bug Tracking Tool like **TFS.**
* Performed End-to- End testing manually.
* Executed manual tests using Quality center for testing of the application.
* Used **POSTMAN** to manually test **web services** and **APIs**.
* Involved in writing and executing **SQL Queries** for **Back-End testing** and extract relevant data from the database.
* Performed **Data Integrity Testing, Functionality Testing** and **Back-end testing**.
* Executed End -to- End test scenarios.
* Extensively involved in resolving bugs fixes with the Development Team.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.
* Created, reviewed, and executed **SQL** test queries to validate records in the database.
* Set up the test environment and was responsible for migration between the Development Environment and Testing Environment.

**Environment**: QTP, Quality Center, Web Services, API, TFS, SQL Server, Postman, Agile Methodology (Scrum/Sprint)