**Sunanda Banskota**

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**Visa Status: Green Card**

**Professional summary:**

* Around 6 years of experience in IT industry in Software Quality Assurance and Analysis, Design of Manual and Automated testing (Black Box, White box) of various applications for Web and Client/Server environments.
* Good experience with **Airline domain industry**.
* Extensive Knowledge of Quality Assurance standards, methodologies and strategies with better understanding of Software Development Life Cycle (SDLC).
* Experienced with **SaaS (Software as a Service) using SAP SuccessFactors.**
* Experienced in working with Taza framework and Watir-WebDriver.
* Designed and developed automated scripts for functional, regression, integration testing using Selenium.
* Experience on testing Web based, Data warehousing, and Client/Server Applications, which include various technologies like Business Objects.
* Involved extensively in System, Integration, Functional, User Acceptance, Database Testing, Regression Testing and Negative Testing.
* Experience in Creating Test Plan, Test Case, Test Procedures and Test Metrics.
* Hands on experience in Selenium for Unit Testing.
* Expertise with test management tools – Mercury Quality Center / Test Director and Clear Quest.
* Good working experience on SOAP UI for testing and validating various web services used in the application.
* Sound knowledge on Junit, TestNG framework for Unit testing, Maven and Ant for Project building tool, Jenkins/Hudson for Continuous Integration.
* Good exp. in writing UNIX shell scripts and also used Toad for **DML operations** like Select, Update, Insert, and Delete.
* Experience in QA & Testing tasks like bug reporting and tracking, unit testing, GUI testing, and integration testing.
* Experienced with designing and building automation frameworks in support of continuous integration in a test driven development (TDD).
* Extensive experience in conducting different kinds of tests such as Integration, Regression, Functional, System Testing, Black Box, White Box, UAT and Sanity Testing.
* Extensive experience in reviewing and analyzing Business Requirements and writing detailed Test Plans, Test Cases, and Test Scripts.
* Experience in bug reporting tools like Clear Quest, BugZilla, and JIRA.
* Extensive experience in Black-Box & White-Box Testing for Web, Data Base and Client server Applications.
* Expertise in performing regression testing on new builds, every modification in the application using Selenium WebDriver.
* Well versed in different management scenarios like Change Control, Quality Assurance, Defect Tracking, System Integration, and Task Scheduling.
* Experience in TDD, BDD, Waterfall (Software Development Life Cycle -SDLC) and Agile Project Environment.
* Proficient in using basic SQL queries to perform back end testing for data integrity.
* Strong PL/SQL, developing database queries for Backend Testing, in-depth Knowledge of Oracle and SQL Server, resolved Database Performance issues Knowledge in performing Database testing on Oracle, SQL Server using SQL Developer and TOAD.
* Good analytical and communication skills and ability to work independently with minimal supervision and also perform as part of a team.
* Highly motivated team player with analytical, organizational and technical skills, unique ability to adapt quickly to challenges and changing environment.
* Excellent interpersonal skills, proven team player with an analytical bent to problem solving and delivering under high stress environment.

**Technical Skills:**

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| **Automation Testing Tools**: | Selenium IDE/RC/WebDriver/Grid, QTP, JMeter, TestDirector, Watir, JMeter, SoapUI, Cucumber, Junit, TestNG |
| **Defect/Bug Tracking Tools**: | Quality Center, JIRA, BugZilla & TFS |
| **Programming Languages**: | C#, C++, Python, Java, VB.Net, VBScript |
| **Web Technologies**: | HTML, CSS, XML, AJAX, Angular JS, XSLT, SOAP, WSDL |
| **Scripting Languages**: | Perl, Python, PL/SQL, ASP, VB Script, VBA, Shell Script |
| **Web/Application Server**: | Apache Tomcat, Apache POI, Web Sphere |
| **Source Code Control System**: | Perforce, Subversion, TFS, VSS |
| **Continuous Integration Tools**: | Jenkins, Hudson, Cruise Control |
| **IDE**: | Eclipse, NetBeans, Visual Studio |
| **RDBMS**: | Oracle 11g/10g, My SQL, MS SQL Server |
| **Operating Systems**: | MS Windows (95/98/NT/2000/XP, 7), UNIX (Solaris), Linux (Red Hat) |

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| **Professional Experience** |
| Frontier Airlines, Denver CO October 2015 – May 2017 |
| Role: QA Tester |

Frontier Airlines is an American ultra low cost carrier headquartered in Denver, Colorado.The carrier, which is a subsidiary and operating brand of Indigo Partners, LLC, operates flights to 54 destinations throughout the United States and 5 international destinations. As QA, I was testing whole HR project involving enhancements and integrations to SuccessFactors and validation of accuracy of data sets and correct for downstream system accesses.

**Responsibilities:**

* Involved in working with the development team to clarify requirements as needed and to ascertain level of effort and feasibility.
* Conducted Defect Meetings and Team Status Meetings providing testing updates.
* Attended Change Control Meeting for approval of change requests and raised testing concerns.
* Created a Test Plan based on the scope and schedule of the project
* Performed Back End Testing Manually using complex SQL Queries.
* Worked on **SAP SuccessFactors** tool to manage the information in cloud.
* Tested the Onboarding model under “**SuccessFactors”** to ensure that employee information are getting stored as per requirements.
* Worked with the BA / QA team to develop test plan and test cases for (UAT).
* Created page checkpoints to test the properties and contents of the web page Quick Test Pro.
* Performed Parameterization using Data Driven Testing in Quick Test Pro.
* Tested SOAP request and response using **SOAP UI**.
* Performed Load testing for XML request-response using SOAP UI.
* Performed Parameterization using Quick Test Pro.
* Wrote the test cases for different model of “**SuccessFactors”.**
* Performed the testing in time management and analytic model of “**SuccessFactors”** to generate the analysis reports.
* Automated existing queries using UNIX.
* Carried out UAT by developing test plans, test scenarios, test cases, and Test data to be used in testing based on business and user requirements, technical specifications of the product.
* Provided inputs to the Project Manager on the testing schedule and time frame.
* Reviewed and Analyzed Business Requirement Documents, Functional Specification.
* Attended Use Case Review and Design Review Meetings.
* Created Test Scripts from use cases and Requirements Documents.
* Responsible for testing the cards in accordance to data in TSYS systems.
* Perform Smoke Test before moving the code to a Stable QA environment.
* Tested XML request and responses using **SOAP UI** and **HP Service Test**
* Created and Maintained Traceability Matrix to ensure test coverage of all requirements
* Validated the load of data to the environment using SQL queries.
* Develop and execute scripts to test data migration using SQL and UNIX.
* Ensured testing schedules are met during different iterations to ensure a timely release to production
* Timely escalation of issues related to different teams to ensure an early resolution.
* Updated the Test Scripts for Regression build based on the  enhancements to the application
* Created and Updated Test Execution Matrix and Defect Matrix.
* Provided regular status updates to Project Manager on high priority issues and Testing Progress.
* Scheduled and coordinated for Performance Testing of the application.

**Environment & Tools:**  **ETL, UNIX, Rapid SQL, Quality Center, IIS, SAP SuccessFactors ,SaaS, Windows XP, SOAP UI, TOAD, Microsoft Visio, UAT.**

**Client: Hawaiian Airlines, Honolulu, Hawaii August 2013- September 2015**

**Role: Test Engineer**

Hawaiian Airlines is the largest airline in Hawaii. It is the 8th largest commercial airline in the US, and is based in Honolulu, Hawaii. The airline operates its main hub at Honolulu International Airport and a secondary hub out of Kahului Airport on the island of Maui. The goal of the project was to test multiple HR projects using SuccessFactors tool, validate the accuracy including enhancements, updates and changes.

**Responsibilities:**

* Worked with test Management using Quality Center.
* Developed reusable functions using shared repository in QTP.
* Created and executed automated test scripts using QTP for functional, integration and regression testing.
* Defined types of tests and identified the objectives.
* Created test plan, test cases and test scripts and followed agile development process.
* Defined test goals for sprints (Agile Process).
* Worked with business users to identify and verify the fields in “**SuccessFactors”.**
* Helped business users to perform their UAT Testing using “**SuccessFactors”** tool.
* Tested the employee schedule for flights (domestic & international) in “**SuccessFactors”** tool.
* Validate the data from Source system to “**SuccessFactors”** tool to ensure that it is getting feeded correctly.
* Validated mapping for the fields for “**SuccessFactors”**
* Created and executed test cases and responsible for pre and post execution review of SIT Test Scripts and UAT Test Scripts
* Defined Test Cases, analyzed bugs, interacted with team members in fixing errors and User Acceptance Testing (UAT)
* Worked with Business Analyst in UAT testing and involved in testing in Production region.
* PL-SQL expert have worked with DDL,DML,RDBMS.
* Verified Process flow by writing and executing SQL queries and stored procedures using Oracle PL/SQL developer.
* Conducted functional, integration and regression testing of Web Services using Soap UI.
* Performed Database testing by writing and running SQL queries.
* Presenting the Test Reports and Status reports on a Weekly/Monthly basis to the Project Team and discussing the next release cycle.
* Interacted with the Developers and Business Analysts on a regular basis to resolve issues.
* Completely involved in test management in Quality Center.
* Involved in defect management and defect reporting.
* Coordinated testing activities with testing team members.
* Identified all major Defects prior to End to End Testing.
* Open defects and work closely with development of getting issues resolved in timely manner.
* Work on data preparation for different test scenarios including negative testing to provide accurate delivery of overall functionality of the product.
* Attended weekly Status Meetings and present QA status to the Manager.
* Ability to collaborate with testers, developers, project managers and other team members in testing complex projects.
* Participated in automation development review meetings.

**Environment: Oracle 10g, Java, UNIX, Soap UI 2.5, QTP, QC ,** **SAP SuccessFactors,** **SaaS**, **Performance Center,**

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| **Stone River Inc, Denver, CO** | **June 2011 – June 2013** |
| **Role: QA Engineer** |  |
| Worked with various projects for the company’s clients for Personal auto insurance and workers compensation in J2EE/.Net and UNIX/Windows application in manual/automation and performance testing. | |
| **Responsibilities**: | |
| * Interacted with Project manager, business analysts and developers to understand the application design and functional specifications. * Effectively implemented different QA methodologies/policies, strategies and plans in all stages of SDLC. * Converted commercial QTP Scripts to open source Selenium WebDriver scripts to maximize the profits of the company without compromising Quality. * Integrated Automation scripts (Selenium WebDriver API) in Continuous Integration tools (Jenkins) for nightly batch run of the Script. Created Project plan on Jenkins, configured scheduled using Cron job. * Created automated Test Suite using Selenium and WebDriver. * Performed the White box testing using Java. * Performed User Acceptance Testing (UAT). * Performed UAT Testing against User Requirements and coordinated with BA, Developers, and SMEs and actively involved in Production phase testing. * Creating relevant UAT artifacts including test plans, test scenarios and test cases to be executed during UAT. * Developed Session beans and Web components (Servlets, JSP) using WSAD. * Performed white box testing using Junit for class, method, & web services testing. * Used Selenium WebDriver API to automate tests on cross browser and cross platform environment. * Automated code downloads and email notifications using UNIX Shell scripts. * Design and prepared test plans for White Box Test Approach & Test cases. * Responsible for understanding high level (cross-Browser) business processes related to their application area and its interfaces to other applications. * Created Selenese JUNIT test case for various functional modules, modified, debugged and executed using JUNIT plug in to Eclipse IDE. * DML Expert and have worked with data manipulation in SQL server. * Wrote test cases, implemented ran and added versions and iterations using Test Manager for positive, negative and END-TO-END Test cases. * Wrote Ant build scripts to automate the compilation and execution of JUNIT test cases/suites for Lens Measurement screen, Lens Type Screen, Aftercare screen and two eye replication screens. * Developed Test Frameworks in Selenium for UI Regression Test Automation and when necessary, and potentially execute Unit Test Automation (Java/Junit). * Created automation scripts in SoapUI using Groovy Script for web services testing. * Performed Regression testing of applications after defects are fixed and any new functionality is implemented in to the QA. Supported the Business team for executing UAT test cases. * Performed Database Change Verification testing using Oracle-Toad and SQL queries. * Verified data integrity by back-end testing of the application by writing SQL queries. * Attended Defect Review meetings with Developers, Tech Lead, Team Lead and Project Manager to discuss issues regarding the Open defects, resolved defects and all other defects associated to the Source system. * Involved in estimation and preparation of test case scenarios and test plan documentation for validating and reporting. | |
| **Environment**:J2EE, Selenium WebDriver, Junit, SoapUI, Web Services, Quality Center (QC), DML, Jenkins, Performance Center , JavaScript, HTML, Ant, SQL, PL SQL, Web server - Apache, SQL Server, Windows XP, MS Office Suite. | |