Nisha Khanal

Senior QA Engineer

Lorton, VA.

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Permanent Resident

**SUMMARY**

* A software professional with more than Seven years of experience in Quality Assurance & Testing activities.
* Experience in complete SDLC and STLC, including estimating, requirements gathering, analysis, design, as well as manual, automation and performance testing.
* Experience with different mobile testing tools - Android, SDK and iPhone (iOS) Configuration Utility tool.
* Extensive knowledge in working with - Win Runner, Test Director, Quick Test Professional (QTP), and Quality Center.
* Specialized in identifying edge cases, defects and design flaws in all major browsers, devices, stand-alone and web applications (Java and .NET)
* Ability to perform end-to-end testing, including Functional, System, Performance, Integration, Regression, GUI, UAT, Security, Load, Database, and Usability testing.
* Proficient in using Quality Center for test management, defect tracking, and reporting.
* Extensive experience in Manual Testing of Mainframe and Client-Server based Applications.
* Worked in methodologies like Agile and Waterfall.
* Performed unit testing using JUnit.
* Coding and executing performance tracking and reporting scripts in Oracle SQL, PL/SQL, JavaScript and HTML.
* Conducting UAT and executing test cases and test scripts via the HP Lifecycle Management tool.
* Developed SQL queries and stored procedures with cursors and functions to create and load test data using TOAD for Data Analysis and QA reporting and testing.
* Extensive working knowledge of HP ALM.
* As a proactive team member interacted with business analysts, release engineer, developers, business customers and database admin throughout the SDLC process from estimates to release.

**EDUCATION**

Bachelors of Science, Strayer University Washington DC - 3.65 GPA

Master of Science, Kathmandu University, Kathmandu Nepal

**SKILLS**

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| TEST REPORTING TOOLS | QTP, Mercury Quality Center, HP ALM, Test Director, Load Runner, Win Runner. JUnit, SOAP UI, IBM Main Frame, RQM |
| OPERATING SYSTEMS | Windows 95/98/XP/2000/2003, UNIX/LINUX, Veritas, iOS |
| Defect Tracking | Microsoft Test Management tools, Test Director/ Quality Center/ ALM |
| Databases | Oracle 8/8i, MS SQL Server 7.x/2000, Microsoft Access, Toad |
| BUSINESS/ Design TOOLS | Rational Suite, MS Visio |
| BUSINESS SKILLS | Business Definition, Requirements, Business Process Analysis, Gap Analysis, Use Case Modeling & Analysis |
| DBMS | Oracle, MS Access, MS SQL |
| MS OFFICE SOFTWARE | MS OFFICE Suite (Word, excel, PowerPoint, Visio, Project) |
| METHODOLOGIES | RUP, UML, Agile, Waterfall, SDLC, RAD, JAD, CRM, SWOT |
| SCRIPTING LANGUAGE | HTML, SQL & PL/SQL, Java |
| Bug Reporting Tool | Serena Team Track, Quality Center/ALM, Test Director, IBM RTC |

**EXPERIENCE**

**Dept. of Commerce, Census Bureau March 2016-Present**

**System Tester**

The Administrative and Management Systems Division (AMSD) provides central administrative and management systems support for the U.S. Census Bureau. Currently working as, a prominent Tester in Modernization and ETMIS ADF (Oracle Application Development Framework) Application in CBS Team.

**Roles & Responsibilities:**

* Involved in analyzing Business Requirements Documents for Modernization Application.
* Designed and created the Project Test Plan, which defines the scope, approach and deliverables of testing using HP ALM 12.
* Backend testing using TOAD in Test FDR and Test World database.
* Generated reports in front end and validated reports in back end to ensure data integrity and validates Business rules.
* Participated in application demo and technical reviews all through the development phase.
* Involved in defect triage meetings with the developers and project management. Experienced in working with business analysts to understand the domain from client's business perspective.
* Attended and provided input to bi-weekly status meetings and provided bi-weekly status reports
* Working as a team to improve the testing process in CBS Team
* Validated BI Publisher Report
* Attended various meetings with business analyst, developers, production support team for new modernization applications.

**Environment: HP ALM 12, UNIX, Oracle 11g Release 2(11.2), Oracle 10g Admin Client 10.2.0.0, TOAD Development, Windows 2000/XP Professional, Toad, Microsoft ActiveSync, Microsoft SOAP Toolkit version 3, Oracle Web Logic Server, Serena Reporting Tool, XML, XSLT, XSD, MS-Office& Publisher.**

**State of Maryland DHRIS – CHESSIE / XEROX-TCC April 2015-Feb 2016**

Role: UAT Test Analyst

**CHESSIE**

The project is based on State of MD CHESSIE (the new Maryland Children’s Electronic Social Services Information Exchange System).

Responsibilities

* Participated in reviews of Business Requirements specifications to ensure documentation is understandable.
* Identified Testable Scenarios and Prepared Test cases.
* Executed Test Plan and UAT test cases.
* Developed System, Regression UAT Test Cases based on business requirements, designs and business scenarios where necessary
* Executed the test scripts and raised defects as necessary.
* Ensured test case requirement Traceability
* Facilitated and participated in Test Case conformance reviews
* Validated BI Reports
* Communicated with test leads and developers to define the scope of testing
* Logged in defects found while testing the applications
* Performed UAT regression testing after the defects were fixed.
* Conducted manual testing of the CHESSIE applications.
* Provided status to Testing Coordinator
* Attended testing status meetings.
* Attended UAT walk-through meeting with System Tester, BA and Developer.
* Used IBM Rational Quality Manager for creating and executing test cases.

**Environment**: Power Builder, CYBASE, IBM Main Frame, Rational Quality Manager, RTC, Browsers – IE, Chrome, Windows 7, Microsoft Office, SQL

**Lockheed Martin, Arlington, VA Jan 2014 - Feb 2015**

UAT Analyst

**GECO**

Lockheed Martin is one of the largest government contractors. The project was to develop and upgrade existing e-commerce application for marketing, merchandising, and sales processes for Gov. The company’s categories include from electronics, appliances, household goods, lawn and garden products and much more. My project was to test the Point of Sales System (POS) for their inventory management, Retail Management System.

Responsibilities

* Documented detailed test plans, test cases, test scripts and expected results in Quality Center and tracing the test cases to the requirements.
* Actively participated in the pre-testing that included a review of the required documents, studying the use cases for developing test plans and collection of test data.
* Performed load and performance testing. Used Mercury Load Runner HP tool for the purpose of load, performance and stress testing
* Executed performance test scripts using Load Runner and Performance Center tools.
* Working knowledge of Team Foundation Server and work on an automated framework for regression testing using POS
* Planned for and reviewed the Test cases for Functionality, Performance, Database and User Acceptance testing.
* Designed and documented Test Procedures and Test Cases for UAT, functional and integration testing.
* Involved in User Acceptance Testing (UAT) and reviewing the feedback.
* Performed integration testing of applications code and design, maintainable and extensible automated test scripts using Quick Test Pro and reusable automated test function for Quick Test Pro script.
* Used Quick Test Pro for automation of functional and regression testing and verifying the applications expected behavior at different stages by inserting various Checkpoints.
* Implemented Quick Test Pro scripts and executed automated testing with Quality Center.
* Extensively created Data Driven Test scripts to read data from Excel files for testing. Checked for data boundaries/limits, incorrect input of data.
* Created documentation from SOAPUI for the Web Service created.
* Executed multi-user performance tests, used online monitors, real-time output messages and other features of the Load Runner Controller
* Involved in integration testing of the complete Retail Management system by integrating the modules like Inventory, Sales, Finance, Customer Relationship and Supply Chain.
* Participated in walkthroughs for the evaluation of the test plan with the project manager, business analyst, design and development team.
* Gathered requirements for the integration of POS system with the supply chain system

**Environment:** QTP, IBM Main Frame, Rational Quality Manager, RTC, Browsers – IE, Chrome, Windows 7, Microsoft Office, SQL

**Abbott Laboratories @ Richmond, VA Oct 2012- Nov 2013**

**Role: UAT Tester**

**Transfer Pricing**

The project is based on the Transfer Pricing process between the Third Party and Inter-companies. The Oracle Integrated Operation Planning application provides a framework for the calculation of the transfer pricing and to update all the entities about the pricing policies. The users use the software to contact the Data Owners, Buyers and Sellers and calculate the Transfer prices for Abbott.

**Responsibilities**

* Was involved from the start of the SDLC participating in estimating the time frames (LOE), requirements gathering, translating them into functional specifications, design review, coming up with a test plan, documenting all the edge cases, test case reviews, writing test cases in parallel to the development team so the tests are ready to be executed once the implementation is complete.
* Wrote and executed test cases using HP ALM.
* Performed functional testing, system testing, integration testing, regression testing periodically for each release, recording the results (actual vs expected) and reporting the defects using ALM to the team.
* Regression tests included mobile app testing and mobile web along with all the major browsers in web/iPad
* Worked with both real devices in pre-production environment and Emulators/Simulators.
* Involved in testing web services using SOAP UI.
* Pre-approved and post approved Scripts with Validation Change Request (VCR) to provide electronic review, annotation, signature for electronic records and signature control.
* Involved in extensive data validation using SQL queries.
* Involved in user acceptance testing by providing test data for users and by testing UAT defects in test environment before, the new code gets moved to UAT environment.
* Created test execution report, test completion report for test sign off, documented the testing process and test evaluation summary.
* Used HP Quality Center/ALM, QTP for tracking and reporting for Internal High Level access and also create reports and update bug status.

**Environment**: QTP 10.5, IBM Main Frame, Ration Quality Manager, Load Runner 10, VB Script, Visio, StarTeam, CVS, PVCS Tracker, DB2, UNIX, RQM, Serena Team Track, FIX, XML, HTML, SOAP UI, iOS

**Bayer @ Pittsburgh, PA Nov 2011 – August 2012**

**Role: Junior Quality Analyst**

**Bayer HealthCare**

Bayer is currently the third largest pharmaceutical company in the world. In Bayer the three subgroups and three service companies operate independently, led by the management holding company. The Corporate Center supports the Group Management Board in its task of strategic leadership. The project deals with providing health care to all the employees, online access to view their progress, mobile app support.

**Responsibilities**

* Was involved in creating a testing approach depending on the business and technical requirements.
* Designed and developed detailed test plans and test cases, documented the plan.
* Interacted proactively with the internal IT and QA team members to ensure successful implementation and support of project efforts by ensuring consistent IT Compliance practices.
* Performed Smoke, Functional, Integration, System, Regression and User Acceptance Testing using QTP.
* Created automated test cases using Selenium Web Driver and Selenium GRID.
* Generated VUsers Scripts using VUser Generator.
* Created text area checkpoints to test the properties of the text in the application.
* Performed functionality testing based on Object Oriented Programming/C.
* Tested the properties of the tables using table checkpoints using Load Runner.
* Bugs were reported to developers by using ALM and after rectification from developers regression testing was performed.
* Used Load Runner online graphs to check for possible bottlenecks in the application to improve the performance of the application.
* Used Soap UI for testing the Web Services.
* Created page checkpoints to test the properties and contents of the web page.
* Responsible for identifying gaps, mapping data attribute from existing client sources to the target reporting data model.
* Handle the tasks of developing best coding standards and testing practices of Microsoft SharePoint 2010.
* Assigned responsibilities of testing data entry sites and SharePoint architectural design
* Performed back-end testing using SQL queries using Toad for Oracle.
* Created, executed, coded and enhanced the automation test scripts using QTP.
* Extensively worked on various QA test strategy plans and automated test solutions with Mercury Interactive Test Suite (Load Runner, Quick Test Pro and Test Director).

**Environment**: HP ALM 11, QTP 10.5, Selenium Web Driver 2.44, Agile, UNIX, Oracle, MS SQL Server 2000, Java, TCL, Toad, Windows XP/2000, Internet Explorer, MS-Office, Microsoft SharePoint, SOAP UI, Mercury Interactive Test Suite, BM Main Frame.