**Rupak Devkota**

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**SUMMARY**

* Over 10 years of experience working as QA Engineer for Software Development and Testing life Cycle including preparation of Test Strategies, **Test Plans**, **Test Cases**, **Test Execution,** Test summary reports in large scale **Multi-Tier applications**, **Web based applications**, E-Commerce Applications and Middleware applications on various Window and UNIX Environments developed with **.NET** and **Java** technologies.
* Expertise in various **Test Activities** i.e. Planning Test Process, Documentation, Gaining good Domain Knowledge, Good Communication, Validation & Verification, Risk Analysis, Test Standards and Prioritizations.
* Expertise in using various automation test tools like **SOAP UI**, Quick Test Pro (**QTP**), HP Quality Center, IBM tools Rational DOORS and ClearQuest, ClearCase, **HP ALM**, LoadRunner, **Visual Studio TFS**.
* Hand on experience on transmitting and processing of data using various **Messaging Protocols** like XML, XSDs, WSDLs, Java Messaging Services, SMTP, HTTP, HL7, FTP and Web services Testing on Service Oriented Architecture(SOA) tool and SOAP (Simple Access Object Protocol)Tool.
* Experience in **Test Management**, **Bug Tracking** and **Reporting System**. Expertise in managing Requirements, Test Plan, Test Lab and Defect logging using **Microsoft TFS** and HP ALM.
* Hands on experience on creating business analysis and plan.
* Expertise in modeling functional designs and documenting them. Having experience on preparing test plans, test cases and documenting the test results.
* Interacted with Business teams to understand Business Requirements and Business rules. Helped project teams to analyze requirements for business process improvement, high level application design and workflow automation.
* Hands on experience on White Box Testing, Black Box Testing, Positive and Negative Testing, Data Driven Testing, Performance Testing, Load Testing, Stress Testing, Regression Testing, Smoke Testing, Integration Testing, System Testing, Functional Testing and **User Acceptance Testing(UAT)**.
* Lead and worked within cross-functional teams that include business subject matter experts, application architects, developers and testers.
* Strong in writing DDL and DML SQL statements to perform Backend Testing.
* Expertise in creating RTM for test cases and transition plans for the application.
* Performed the assessment to analyze scope and tasks.
* Communicated with different Stakeholders, Business Group and User Group to elicit and to analyze Business Requirements.
* Hands of experience on **N-Tier Web Applications** in **.NET** 1.1/2.0/3.0 environment using **MS Visual Studio 2008**, C#, **VB.NET**, **ASP.NET**, ADO.NET, XML, Web Services, **JAVA**, J2EE and **SQL Server** 2008.
* Extensive experience in Performance, (load Runner) Functional (Automated test cases), Negative, Regression, System Integration (SIT), Acceptance (UAT), Browser Compatibility Testing.
* Experience **Analyzing the Root Cause** on identified problems to aid in optimum resolutions.
* Hands on Experience on performing the Regressing Testing for any IT **Infrastructure Changes** like IE Version Upgrade, Database Migration, Server Upgrades, Windows versions Upgrade.
* Hands on experience in **Functional, Non-Functional, Integration, System testing, End to End Testing and Regression Testing.**
* Experienced on various domain including **Finance**, Telecom, **Healthcare, Government Sectors** and e-commerce.
* Created requirement documents for business process improvements, design and work flow diagrams.
* Extensive testing experience in Various SDLC i.e. Waterfall-Model, **V-Model**, Agile Model.
* Experience with client interaction, understanding Business Applications, Business Data Flow.
* **Interactions with IT Professionals** and good understanding of technical trends, architectures, self-learner and motivated to stay on top of latest technology, new software and products.
* Amazing **Team Player**, self-motivated, **Quick Learner** with **Clear communication both verbally and in writing** and trouble-shooting capabilities.
* Flexible on working **Off Hours** and **Weekends** if needed.

**TECHNICAL SKILLS**

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| **Testing Tools** | HP QC/ALM, Test Director, Load Runner, Rational Clear Case, Rational Requisite Pro, Rational Clear Quest, Junit, JMeter, Selenium IDE/RC/Core, Eclipse, SOAPUI, LOADUI, TFS, People Soft |
| **Platforms** | Windows 7/Vista/XP/2000/ME/NT, UNIX (Sun Solaris), DOS, MAC OS X. |
| **Languages** | C++, UNIX Shell, SQL, Java, J2EE, JSP, HTML/CSS, FTP, SMTP, JavaScript, JUnit. |
| **Database** | SQL Server, MS Access, PL/SQL, MSSQL, MYSQL, Oracle 6.x/7.x /10g, DB2 |
| **Browsers** | MS Internet Explorer, Mozilla Firefox, Safari, Chrome, Netscape. |
| **Firefox Add-ons** | Xpath, Xpathchecker, HTML Validator, Regular Expression Tester, Tamper Data, Web debugging tools Firebug, Fiddler, JavaScript Debugger. |
| **Bug Tracking** | HP QC/ALM, Bugzilla, Visual Studio TFS, JIRA, ClearQuest |
| **Applications**  | MS Office Pro (Word, Excel, PowerPoint, Access, Outlook), Snagit, CRM |

**PROFESSIONAL EXPERIENCE**

**Client: California Secretary Of State, Sacramento, CA. Oct 18– Current**

**Role: Test Lead Consultant**

**Application: California Business Connect (CBC)**

**Responsibilities:**

* Involving in creating Test Plan, Tet Cases, Defect Reports and Traceability Matrix using Microsoft VSTS.
* Conducting research on finding the right automation tool for the Test Application.
* Creating automated Tests using SmarBear Test Complete tool for Functional Testing and Regression Testing.
* Working on Agile Environment.
* Involved in root-cause analysis of product or process related failures.
* Interfacing effectively with professional staff, including suppliers and customers.
* Possessing effective time-management and planning skills.
* Performing as Lead on System testing and User Acceptance Testing as needed.

**Client: CalPERS, Sacramento, CA. Aug 17–Sept 18**

The California Public Employees' Retirement System is an agency in the California executive branch that "manages pension and health benefits for more than 1.6 million California public employees, retirees, and their families". I am working on large scale pension application my|CalPERS and its interfaces that have been developed in various platforms like JAVA and .NET. My role as Test Engineer is in Test Planning, Test Preparation, Test Management and Test Execution in various CalPERS lines of business i.e. Health, Retirement Benefits, Financial transactions & Reporting.

**Role: Test Lead Consultant**

**Application: CalPERS Education Center (CEC)**

**Responsibilities:**

* Created and logged **Test Cases** on **Test Plan** module in HP ALM for each requirement.
* Created Detailed Design Steps for each test case as per ETO Test Case Writing Guide.
* Communicated with different Stakeholders, Business Group, and User Group to elicit and to analyze Business Requirements.
* Identified the test data required for each test case.
* Wrote **SQL Query** or used in built Data Search Tool to retrieve test data. Provided description of data required for each cases.
* Interacted with Business teams to understand Business Requirements, Business rules and User Requirements.
* Developed business architecture using business and Non- functional requirement, functional requirements such as scope, processes, business process models, automating complex business processes.
* Executed transition plans as per the team requirements.
* Created business analysis and plan.
* Experienced in modeling functional design and documenting them
* Helped project teams to analyze requirements for business process improvement, high level application design and workflow automation.
* Performed the assessment to analyze scope and identify tasks in complex business process and requirements.
* Lead teams on enhancement projects working with cross functional teams that included developers, business analysts, quality analysts, architecture and management team members.
* Involved in creating the **Requirement Traceability Matrix (RTM)**. Setup the all possible Test Conditions and mapped it with each Test Cases to cover maximum test coverage.
* **Executed the test** cases in Test Lab module in ALM as per the standard set by ETO Test Execution Guide and documented the Test Results with all Steps and Screenshots.
* Extensively involved in Designing Test strategies, Test Plan and Test Cases for the newly developing products/modules by analyzing the Business Requirements.
* **Interacted with Developers** on Code Change Clarifications and Testing Approach whenever necessary.
* **Interacted with Business Analysts** from different Domain Expertise on clarifications and Knowledge sharing about the features and functions of the application from business point of view.
* Assisted in **Root Cause Analysis** for timely resolution of defects.
* Involved in doing **Peer Review** of RTM/Test Scripts/Design Steps as per the standard guidelines. Provided comments whenever required and re-verified. Completed and Attached Checklist for each Review.
* Used Rational ClearCase Explorer to view the various artifacts and did the Doc Clar.
* Designing, modeling and developing test plan, test cases and documented test results.
* Involved in **ADA testing** of all Newly developed web pages using **Web Accessibility** Color Analysis tool, Web Access Evaluation Tool, Visual, Keyboarding and **JAWS**.
* Involved in compatibility testing for IT infrastructure change i.e. Browser Version Upgrade to IE 11.
* Attended **Joint Application Requirement (JAR)** sessions and **Joint Application Design (JAD) sessions** as needed.
* Performed the regression testing to ensure that all functionality impacted by approved system changes is fully tested and performing as required.
* Created a business analysis task.
* Interacted with test lead on clarification on any existing functions or new features.
* Regularly attended meetings and provided the status on test progress. Raised to management if there is any questions or concerns.

**Environment: V-Shaped** Model, **HP Application Life Cycle Management** V12.01, IBM **Rational ClearQuest** V7.1, IBM **Rational ClearCase** V7.1, Oracle SQL Developer V4.0, Snagit 12.0, Microsoft Excel, Microsoft Word, Cognos Report, People Soft, WebLogic JMS **messaging System, J2EE,**

**Client: VSP (vision INSURANCE/BILLING/FINANCE), Rancho Cordova, CA. Oct 16–Sept 17**

VSP provides the vision insurance to 70 million customers. The IT roadmap is based on Service Oriented Architecture and Web Services. I am working on one of the domains called Membership which is integrated with other domains and portals using SOAP **services**. The internal portals, external portals and services call membership business services to cater the end users such as members, clients, CSRs and doctors, service providers, SAP.

**Role: Test Lead**

**Projects:** Membership Services, Client Billing System, Member Level Detail (MLD) Project

**Responsibilities:**

* Understand existing Regression test suite that is created with SOAP UI for testing various operations and Started converting them into Jbehave Automated tests. Created re-usable steps to generate dynamic test data, Defined steps to Update and Retrieve Data from the Database, Defined all the resources needed for that test Project to run under various environments.
* Used SOAP UI and POSTMAN to test SOAP/REST services. Wrote SQL Queries and used win SQL to Query and Update against DB2/SQL Server Database.
* Interacted with Business teams to understand and elicit the Business Logic and User Requirements.
* Developed Jbehave Automated tests for the user stories on each sprint and added new tests to Automated Regression test Suite.
* Experienced in producing Business requirements, Business Rules requirements, functional requirements and non functional requirements.
* Performed high level analysis of business requirements for business process improvement, design diagrams and workflow automation.
* Maintained logs like Test Metrics, Requirement Traceability Matrix.
* Lead within teams that include working with business SMEs, application architects, testers and developers.
* Experienced in modeling functional design using Microsoft Visio and documenting them.
* Worked with SME and stakeholders in building a business analysis task.
* Prepared and maintained XML requests for each operations under various SOAP Services to cover all the business scenarios and used as resources for Jbehave Automated Tests.
* Provide clarification for issues raised by the team by reaching out to stakeholders.
* Worked closely with Developers while creating/defining any new steps that is needed for Jbehave tests when they need to mapped with appropriate Java Code.
* Extensively involved in Designing and modeling Test Plan, Test strategies and Test Cases for the newly developing products/modules by analyzing the Business Requirements.
* Created data for vsp memberships and executed Pre-Transition Plans and Transition Plans Reports based on the functionality.
* Performed the assessment to analyze scope and tasks.
* Managed, documented and maintained test related activities including Test Plan, Test Execution, Test Results and Defects.
* Co-ordinate with other teams, portals and applications whoever consumes our SOAP services and helped them clarifying and addressing their issues and concerns.
* Involved in presenting the demo of features that were completed during Sprint Review and Retro meeting.

**Environment:** Agile/SCRUM, JIRA, JBehave, GIT, Jenkins, **SoapUI** Pro 4.6, **XML**,IBM Websphere 6.1,**HTML**,**FTP**, **SMTP**,**EXCEL**, WinSQL, Eclipse Java EE IDE, JavaScript, DB2, SQL Server, IBM Websphere MQ

**Client: CalPERS, Sacramento, CA. Jul 15–Jun 16**

**Role: QA Lead**

**Application: my|CalPERS& Various Interfaces**

**Responsibilities:**

* Created and logged **Test Cases** on **Test Plan** module in **HP ALM** for each requirement.
* Created Detailed Design Steps for each test case as per ETO Test Case Writing Guide.
* Identified the test data required for each test case.
* Wrote SQL Query or used in built Data Search Tool to retrieve test data. Provided description of data required for each cases.
* Involved in creating the Requirement Traceability Matrix (RTM). Setup the all possible Test Conditions and mapped it with each Test Cases to cover maximum test coverage.
* Conducted meetings with business teams and groups to understand and elicit the end user requirements.
* **Executed the test cases** in Test Lab module in ALM as per the standard set by ETO Test Execution Guide and documented the Test Results with all Steps and Screenshots.
* Ran and Scheduled various **Payroll jobs**, **Payroll Reporting** during execution of different test Scenarios based on SIRs or SCRs.
* Communicated with different Stakeholders, Business Group, and User Group to elicit and to analyze Business Requirements.
* Prepared test plan, test cases and generating test reports and defect reports.
* Lead teams on enhancement projects working with cross functional teams that included developers, business analysts, quality analysts, architecture and management team members.
* Created requirement documents for business process improvements, design and work flow diagrams.
* Involved in assessment to analyze the scope and tasks and planned business analysis task.
* Experienced in producing Business requirements and Business Rules.
* Hands on experience in modeling and documenting functional designs.
* Help in seamless transition plans from waterfall to scrum methodology by leveraging previous experience to speed up the process.
* Created and maintained documentation, including procedures, system specifications, technical documentation, business rules and business requirements documentation (BRD) of all regulatory, business, user, functional requirements and non-functional requirements.
* Involved in Designing Test strategies newly developing products/modules
* Involved in GUI, Functional, Integration and Regression testing to validate each individual function/process.
* Involved in testing Calculation of **Retirement Benefit** features i.e. Health Benefits/Health Enrollment Process.
* Interacted with Developers on Code Change Clarifications and Testing Approach whenever necessary.
* Interacted with Business Analysts from different Domain Expertise on clarifications and Knowledge sharing about the features and functions of the application from business point of view.
* Ran and Scheduled various Billing jobs and Verified **Financial Transactions** and Reports.
* Updated and viewed the status and Descriptions of any SCRs and SIRs using **Rational ClearQuest**.
* Mocked up various sample test files in .xml/.txt/.csv formats and Dropped in different Queues which is processed by JMS **Messaging System** during test execution.
* Involved in doing Peer Review of RTM/Test Scripts/Design Steps as per the standard guidelines. Provided comments whenever required and re-verified. Completed and Attached Checklist for each Review.
* Used **Rational ClearCase** Explorer to view the various artifacts and did the Doc Clar.
* Interacted with Batch Team to run various Batch Jobs. Involved in understanding and requesting various Jobs like **Payroll Job**, **Health Benefit Jobs**, **Health Payment** and **Deductions** while executing the different test scenarios.
* Developed test objectives, test plans and manual test cases based on documented functional and non-functional requirements.
* Actively engaged in full lifecycle of STLC starting from Test Strategy/Planning, Capturing Test Scenarios/Cases, and Creating Test Scripts, Executing Test steps, reporting bugs and Tracking defects/bugs using RTC until full resolution.
* Involved in Script Clean Up efforts for both manual and Automated Test Cases. Made comments where necessary and re-verified and closed.
* Involved in compatibility testing for IT infrastructure change i.e. Browser Version Upgrade to IE 11.
* Attended Joint Application Requirement (JAR) sessions and Joint Application Design (JAD) sessions as needed
* Regularly attended meetings and provided the status on test progress. Raised to management if there is any questions or concerns.

**Environment: V-Shaped** Model, **HP Application Life Cycle Management** V12.01 ,IBM **Rational ClearQuest** V7.1, IBM **Rational ClearCase** V7.1, Oracle SQL Developer V4.0,Snagit 12.0, Microsoft Excel, Microsoft Word, Cognos Report, People Soft, WebLogic JMS **messaging System, J2EE,**

**Client: VSP (vision INSURANCE/BILLING/FINANCE), Rancho Cordova, CA. Nov 12 –Jun 15**

**Role: QA Lead**

**Projects:** Membership Services, **Payment Services**, **SAP Billing System**, Migration to Distributed DB2 in Linux

**Responsibilities:**

* Worked in Agile methodology. Attended Daily standup meetings. Actively participated in Backlog grooming, Sprint pre-planning and Sprint Planning meetings.
* Involved in presenting the demo of features that were completed during Sprint Review and Retro meeting.
* Developed and Executed **Test Plan** and **Test Cases** based on the user stories(Functional requirements).
* **Executed** manual test cases and identified the test cases to be automated.
* Experienced in preparing test plans, test cases and documenting the test results.
* Monitored and reviewed assessment to scope and tasks performed by team.
* Created business analysis approach and plan.
* Experienced in elicitation, defining and documenting various user, system and business requirements.
* Experienced in modeling functional design using Microsoft Visio and documenting them.
* Performed E2E testing for BatchLoad Process of membership data into mainframe as well as in DB2. Involved in performing E2E test for SAP Billing Systems, Doctor Portals, Client Portals and Customer Service Portals.
* Created automated regression test suites for web services using SoapUI Pro. Generated Data using Data Gen step. Applied Property Transfer and Data Sink steps in most of test cases. Used Groovy scripts. Applied assertions using XPath Match, XQuery Match and Message Content Assertions.
* Used various **Messaging Protocols** to drop the files in different queues while exchanging the membership data among various systems.
* Involved in executing Full Functional Testing of **SOAP Services** while moving from DB2 to Distributed DB2 [luw] in Linux environment.
* Helped team transition Plans to Agile from Waterfall.
* Actively engaged in full lifecycle of STLC starting from Test Strategies/Planning, Capturing Test Scenarios/Cases, and Creating Test Scripts, Executing Test steps, reporting bugs and Tracking defects/bugs.
* Lead teams on enhancement projects working with cross functional teams that included developers, business analysts, quality analysts, architecture and management team members.
* Developed and supported the negotiation of Rules of Engagement with stakeholders for all assessments.
* Implemented best software engineering practices for gathering functional and non-functional requirements.
* Created automated regression test suite for webUtil using QTP. Built various user defined functions using descriptive programming. Developed Keyword Driven Framework.
* Communicated with different Stakeholders, Business Group, and User Group to elicit and to analyze Business Requirements and business rules.
* Created Requirement Traceability Matrix (RTM) for test coverage analysis and test completeness.
* Created requirement documents for business process improvements, design and work flow diagrams.
* Used winSQL against TDB2 database for Backend Testing. Wrote and executed complex SQL queries to validate the actual data in various tables with the xml response of SOAP services and vice versa
* **Co-ordinate with other Teams**, Portals and Applications whoever consumes our SOAP services and helped them clarifying and addressing their issues and concerns.
* Created JBehave tests for user stories, ran and created reports using JUnit.
* Involved in testing membership data in different file formats loading to Facets for further processing
* Prepared the Test data and SoapUI test cases in Load region to execute Profiling and Load Testing and presented the performance metrics to team. Worked with developers, web admins and DBAs to discuss on any issues encountered.
* Involved in various activities for **Test Management** Efforts.
* Managed **Test Plan**, **Test Strategy**, **Test Cases** and **Defects** using hp ALM and JIRA.

**Environment:** Agile/SCRUM, JIRA, Quality Center **ALM**, MDBs, Load Test, JBehave, GIT, Jenkins, **SoapUI** Pro 5.1.2, LOADUI, **XML**, IBM Websphere 6.1, **HTML**, **FTP**, **SMTP**, **EXCEL**, WinSQL, Facets, JavaScript, DB2, IBM Websphere MQ, IBM Rational Pro

**Client: California Secretary of State, Sacramento, CA. Jun 12 –Oct 12**

**Projects: Large scale Web App**--California Online Voter Registration (COVR)—Publicized on ABC News on 9/19/2012

**Role: Test Analyst**

**Responsibilities:**

* Developed and implemented **Test Plan** and **Test Cases** for Integration Testing, System Testing, End to End Testing and User Acceptance Testing in **V model** Software Development Environment. Provided estimates for each level of Testing Efforts.
* Prepared test plans as per the business requirements Document (BRD) and reviewed User Requirements, Use Cases and Detailed Designs to develop **Test Cases** in **Waterfall Model SDLC** environment.
* Gathered Requirements, functional and technical specifications, walk through requirements within QA team.
* **Participated and actively engaged** in project discussions and review meetings with Team and others.
* Lead teams on enhancement projects working with cross functional teams that included developers, business analysts, quality analysts, architecture and management team members.
* Elicit and documented various user, system and business requirements.
* Involved in **Interface Testing** with DMV Systems. Tested DMV web services for Get Signature Image method using SOAP UI. Parameterized the input values and ran the test against large amount of test data that is provided by DMV. Also performed the Load Testing.
* Involved in **Interface Testing** with Various County’s Systems. Tested EMS vendor **Web Services** for providing each counties voter’s information using SOAP UI.
* Submitted monthly Transition report to End users and stakeholders when application reaches steady-state production.
* Experienced in creating transition plans for the application.
* Interacted with Business teams to understand Business Requirements, Business rules and User Requirements.
* Designing, modeling and developing test plan, test cases and generating test reports, defect reports and documented test results.
* Involved in high level analysis of business requirements for business process improvement, design diagrams and workflow automation.
* Planned and created business analysis tasks.
* Experienced in modeling functional design and documenting them.
* Created automated test script for Web Application using **Microsoft Visual Studio test** tool. Developed Keyword, Data Driven and Regression Testing Framework for Online Voter registration application.
* Implemented tracking the defects by using testing tools **Microsoft TFS**.
* Prepared Requirement Traceability Matrix (RTM) for various modules and functional changes involved in the release.
* Developed test objectives, test plans and manual test cases based on documented functional and non-functional requirements.
* Worked closely with the other members of the Development Team and implemented test plans, and tested the quality of software products.
* Involved in a **large scale relational database** environment using SQL.
* Analyzed Business Requirements Document, Functional Specifications Document and Technical Design Document to develop Test Plan and Test Cases.
* **Worked with** business system analysts, development and UAT teams on **Training and knowledge Transfer** for new features.
* Created various Web Tests and Coded UI Test Framework using **Microsoft Visual Studio Ultimate Edition** and performed Load Test.
* Actively engaged in full lifecycle of STLC starting from Test Strategy/Planning, Capturing Test Scenarios/Cases, and Creating Test Scripts, Executing Test steps, reporting bugs and Tracking defects/bugs using RTC until full resolution.

**Environment: V-Model**, **Microsoft Visual Studio Test Edition**, Web Test, Load Test, Microsoft SQL Server Management Studio, SQL, **SOAPUI**, LOADUI, **XML**, **HTML**, EXCEL, Team Foundation Server (TFS), C++, JavaScript, **ASP.NET**

**Client: Ascend Clinical (HEALTHCARE), Redwood City, CA. Jul 08 - May 12**

Ascend Clinical is a healthcare company providing Lab Ordering, **Scheduling**, Reporting and Electronic Health Treatment services to their facility centers all over the United States.

**Projects: Enterprise Web Applications**” LabCheck, Ascend Chart (EMR Systems), STARS (**Billing** Application)” **Rich Web Application**” Lab tracker” and Mobile Applications” LabCheck Go”

**Role: QA Engineer**

**Responsibilities:**

* Highly involved in **Test Management** activities i.e. **Test Planning**, Test Authoring, **Test Execution**, Test Reporting within the overall software development effort. Followed **V-Shaped model** for Development and Testing.
* Involved in managing and update in defects in **Microsoft Team Foundation Server (TFS).**
* Involved in Build and Deployment of latest codes in the QA Server. Setup automatic process for build and deployment as required. Involved in setting up Staging Environment with a latest QA build for Beta version of testing.
* Developed Test Scripts using QTP to automate manual test cases. Wrote VB scripts without recording and did Descriptive Programming. Managed the objects in both Local and Shared Object Repository. Created different Actions, Inserted various Checkpoints and managed Error Handling and Recovery Scenarios. Prepared Automated Regression Test suite using QTP 10.0.
* Involved in testing **SOAP method** [XML based **Messaging Protocol**] for mobile app development ‘LabCheck Go’ while retrieving and displaying the Lab Results.
* Involved in elicitation and understanding of confused business requirements for team and End users.
* Wrote, Updated and Maintained automation Test Scripts using Java and Selenium. Worked with Selenium RC and Selenium IDE on JUnit, NUnit Frameworks for the Test cases and Automation Test Procedures.
* Designed and developed test structure for **Web Services** to validate API calls using SOAPUI. Developed many Java classes to perform API level testing. Tested Dynamic and Static objects with Selenium Element locators like Xpath and DOM. Fine tune the scripts using XPath, CSS with the use of Fire bug tool.
* Prepared Requirement Traceability Matrix.
* Trigger data changes from UI as a part of the End to end test in assisting other teams to receive batch files that verify the business requirements and business rules.
* Helped project teams to analyze requirements for business process improvement, high level application design and workflow automation.
* Experienced in modeling functional design using Microsoft Visio and documenting them.
* Used **IBM ClearQuest** as a CRM tool to track Software Development Process.
* Verified Bidirectional Interoperability using **HL7** (VXU^V•••••, VXX, VXQ) **Messaging Protocols** between the other Providers and our EMR System ‘Ascend Chart’.
* Established Test Data setup criteria for enhancing tester ability to test all scenarios. Also coordinated with test data preparation group for the purpose. Tested the database by using SQL Queries to retrieve data.
* Coded and executed the functional test to Perform Functionality Testing and Regression Testing of Web Services. Involved in User Acceptance Testing for each and every releases of existing application.
* Involved in Reconciling of **Financial Transactions** in various Reports that is available in STARS (Company Billing System) with queries from Database using mySQL.
* Utilized the good understanding of **Risk-Based Testing** approaches.
* Kept track of versions of test related Documents using **Rational ClearCase**.
* Lead teams on enhancement projects working with cross functional teams that included developers, business analysts, quality analysts, architecture and management team members.
* Experienced in creating test strategies and transition plans for the application.
* Prepared test strategy, test plan, test cases and documented test results.
* Involved in **System Testing** and **E2E Integration Testing** for dot releases. Generated reports and graphs using Visual Studio Testing Tool, and Business Objects for the Test Cases, Test Results and Defects. Participated in performance Testing using Load Test and Stress Test in **visual studio testing tool**. Created and generated automation scripts. Involved in performance analysis for reporting services.
* Involved in performing Regressing Testing for **IT Infrastructure Changes** like IE upgrade, Server Upgrade, Data Migration.
* Assisted the Tier 2 Support Staff people in clarifying the functionality of each module, in helping replicating each case in QA environment and in updating the status of their cases logged as a bug. **Communicated both verbally and in written** about Release Notes for each and every release with a detailed description. **Involved in Training** the field services people for each and every new features added to the application.
* Developed and supported the negotiation of Rules of Engagement with stakeholders for all assessments.
* Capture of quality attributes external/internal constraints for functional/non-functional requirements.
* **Collaborated with the developers** in Identifying and reproducing each and every issue coming from QA test result or from the clients whichever are logged as a bug. And also on feature development tasks and bug resolution tasks.
* Communicated with different Stakeholders, Business Group, and User Group to elicit and to analyze Business Requirements.

**Environment:** Agile, QTP 10.0/9.5, **SOAP UI**, Selenium IDE/RC/Grid, JUnit, JMeter, **HP Quality Center 8.6**,**Team Foundation Server(TFS)**, IE/Mozilla/Firefox, **XML**, **HTML**, **Java**, VB Script, **ASP.NET**, Visual Studio 2010/2008, SharePoint, **Rational ClearCase**, **Rational ClearQuest**, MS Office (OneNote, Excel, Word..), SQL Server 2008, **HL7**.

**Client: Satellite Healthcare, Redwood City, CA. Oct 07 – Jun 08**

Satellite Healthcare is an established leader in clinical treatment record system throughout the nation for Chronic Kidney Disease (CKD) Patients. SPIN MD is a **large scale web based application** that has been built in .NET technology.

**Role: QA Analyst**

**Responsibilities:**

* Prepared test plans as per the business requirements Document (BRD) and reviewed User Requirements, Use Cases and Detailed Designs to develop **Test Cases** in **Waterfall Model SDLC** environment.
* Installed, customized and administered **Team Foundation Server (TFS)** and QTP test tools.
* Mapped the Test cases with the requirements that has been managed using **IBM Rational DOORS**
* Used Mercury Quality Center to track the defects.
* Scripted test suites in Quick Test Professional, including custom functions in VBScript, to regression test daily build.
* Creation and Execution of Test Scripts using Quick Test Professional and analyze results including black box and regression testing.
* Performed Data Driven testing using QTP to test the application with different sets of data for positive and negative test cases.
* Elicit the complex queries involved in business requirements to deliver functionalities as per stakeholders.
* Developed scripts to perform Functional tests, content retrieval to test database tables and data validation.
* **Coordinated with the Project Team** and Configuration Management Team for build release.
* Configured test environment for specific test cases, created test data, and **executed manual tests** for backend testing using SQL queries. Expertise in SQL Server database backend testing using SQL queries and Quick Test Professional. Retrieved records from multiple tables from Database by using joins such as Inner Joins, Outer Joins, and Self Joins.
* Designed, Configured and Monitored Scenarios for Performance/Load Testing using Load Runner.
* Supported various application-**Messaging Protocols** and validated the **Message Request/Response** against message specification and against **XML Schema** to perform **Testing Interfaces** between Various Systems.
* Participated in every PROD Release party over the weekends and executed user acceptance automation script using FitNesse in production environment.
* Generated reports and graphs using **Team Foundation Server (TFS)**, and Business Objects for the Test Cases, Test Results and Defects.

**Environment: V Methodology**, **IBM Rational DOORS**, QTP 9.5/9.2/9.1, **Team Foundation Server (TFS)**, Load Runner 9.1/8.1, IE /Mozilla/Firefox, **XML**, **HTML**, VB Script, SQL Server 2008/2005, **ASP.NET**, Visual Studio Team Foundation Server

**EDUCATION:**

MBA in Management Information Systems, Lincoln University, Oakland, CA (2006)

Bachelors in Electronics Engineering, Kathmandu, Nepal (2003)