**Sandeep**

**Sr QA Automation Engineer**

**PROFESSIONAL SUMMARY**

* About 7+ years of Quality Assurance experience in Software testing in different Industries including Financial, ecommerce & health care
* Strong Business expertise in Requirements Analysis utilizing Automated tools to import and document specifications
* Proficient in both **Manual** and **Automation** Testing with ability to manage the automation of the entire testing cycles
* Extensive experience with T-SQL in constructing Triggers, Tables, implementing stored Procedures, Functions, Views, User Profiles, Data Dictionaries and Data Integrity.
* Experienced in performing Functional, Regression and System testing of various Enterprise Services using **Selenium Webdriver.**
* Designed& Developed **Automation Frameworks** for Automation suite using **Selenium Webdriver.**
* Gathering, Design Analysis, Development, Testing and implementation of ETL tools and Data Analytics.
* Excellent skills in automated test tool Quick Test Professional QTP, QA Wizard, Cucumber, Soap UI and Web metrics.
* Experience in creating QA Test Process, QA Workflow Diagrams, analysis and design, Test Analysis Report, Defect Analysis and Prioritization
* Experienced in Verifying, Validating and performing Functional, Performance, System, Integration Scalability, User Interface and Regression testing of Application Software and Networking.
* Good expertise in the review and **documentation** of system test plans; Creating and executing test scripts, test cases and data sets on the basis of product release features, client requirements, technical documents.
* Hands on experience in various software development methodologies like **Agile, V and Waterfall model.**
* Used ETL (SSIS) to develop jobs for extracting, cleaning, transforming and loading data into data warehouse.
* Good experience in using IDE Design tools like Ruby Mine, Net Beans, Eclipse, Sublime Text, and Atom.
* Excellent knowledge in creating Databases, Tables, Stored Procedures, DDL/DML Triggers, Views, User defined data types and Indexes using T-SQL.
* Experienced in managing defect life cycle using HP Quality Center/ALM and JIRA.
* Experience testing SOA with RestFul/SOAP Web Services. Created entire architecture for backend testing internal and third party API using Test Complete and SOAP UI.
* Experienced in using Performance testing tools like Load Runner and JMeter.
* Experienced in managing agile project by creating story/defect, assigning task & tracking defect using JIRA
* Independently perform complex troubleshooting, root-cause analysis, solution development and ETL testing
* Experienced in Back-End testing to ensure data consistency on front-end by writing and executing SQL queries on the relational databases.
* Implemented Business Logic and View Components using Ejb and HTML, CSS, Jsp, JavaScript. Worked on JSP, Java Script.
* Expertise in converting existing QTP/UFT Script to Selenium Webdriver Script for multi browser support
* Proficient working knowledge of Core Java and Object Oriented Concepts (Inheritance, Polymorphism, Exception Handling, Multi-Threading and Collections)
* Very Good Understanding and Experience in Transact SQL Server (T-SQL), SQL Server Integration Services (SSIS) and SQL Server Reporting Services (SSRS).
* Expert in automation script development using different automation tools like **Selenium Webdriver** (**Eclipse, Java, and TestNG/Junit**) and also to run automated acceptance tests with **Cucumber.**
* Experience in writing complex SQL scripts/ queries to perform End-to-End ETL validations and support Adhoc business requests.
* Experienced in designing Page Object Model (POM) and TestNG based automation framework using **Selenium Webdriver, Java, TestNG&** apache POI.
* • Sound knowledge on Junit, TestNG framework for Unit testing, Maven and Ant for Project building tool, Jenkins/Hudson for Continuous Integration.
* Facilitating various Planning and Review meetings and Agile Ceremonies. Experience in Web services testing using SOAP UI.
* Responsible for planning, creation and execution of manual tests and automated tests using an automated scripting tool for Web Based application using Selenium Web driver.
* Experience in designing automation framework using **Page Object Model** (POM) Design Pattern for better code reusability & maintenance.
* Experience in **HTML, HTML5, CSS, JavaScript, Angular JS, and XML** in creating web pages.
* Experience in working with **Mobile Testing&Networking.**
* Experienced in using Version Control Tools like **SVN** and **GitHub.**
* Proficient in all phases of Testing functional, integration, regression, security testing and Load Testing.
* Experienced in working both of **UNIX& Linux** environment to analyze log file & to monitor process.
* Good communication and inter-personal skills, accustomed to work in a team environment with tight schedules and capable of working efficiently under pressure, manage multiple project and cross train sub-ordinates in other Functional areas.

**SKILL SET**

Programming : Java, C#, JavaScript, HTML, HTML5, CSS,Python, XML.

Testing Tools : SeleniumWebdriver, LoadRunner, Cucumber, TestNG, Junit, Soap UI, Maven,JMeter, Jenkins.

Test Management Tools : HP Quality Center, VersionOne, ALM, Jira & Bugzilla

Application : Microsoft Excel, PowerPoint, Word, MS-DOS

Database : MySQL, Oracle &T-SQL, SQL Server

ETL Tool : IBM Info Sphere Data Stage Server8.7, Informatica Power center 8.6, Talend, SSIS.

Platforms : Windows95/NT/2000/XP/10

**PROFESSIONAL EXPERIENCE**

## CareFirst Baltimore, MD

## Senior QA Automation Engineer Sep 2016 – Till Date

**Responsibilities**

* Responsible for implementation of Hybrid Test Automation Framework build using Selenium WebDriver, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Review business manuals and requirement document (**BRD**) in order to summarize system-specific business rules and other operating conditions.
* Involved in widely testing applications functionality using Selenium RC and WEB DRIVER as a regular selenium tools.
* Migrated old data from MS SQL Server 2008 to MS SQL Server 2012 using SSIS Packages in Business Intelligence Development Studio.
* Involved on migrating SQL Server databases to SQL Azure Database using SQL Azure Migration Wizard. Deployed application to Azure Cloud.
* Used advanced features of T-SQL in order to design and tune T-SQL to interface with the Database and other applications in the most efficient manner and created stored Procedures for the business logic using T-SQL.
* Developed database triggers and stored procedures using T-SQL cursors and tables.
* Developed test scripts to automate process of testing in Selenium WebDriver.
* Developed and maintained automated regression test cases in Selenium WebDriver using Java programming language.
* Worked with T-SQL to create Tables, Views, Stored Procedures and functions. Created complex queries which involve usage of Joins, Sub-queries, Functions, Temporary tables etc.
* Actively involved in SDLC process and used tools like Selenium RC/Web driver, JMeter, SOAP UI.
* Used Selenium RC for testing different browser, Selenium Grid for checking instance of server and Selenium IDE for record and playback.
* Setup SVN environment as per the team's requirement.
* Expertise in using one or more BDD tools with exceptional skills in writing acceptance testing.
* Experience in working Test Driven Development&**Acceptance Test Driven Development**(TDD, ATDD) environment with ability to evaluate effectiveness of code coverage.
* Loaded the dataset into Hive for ETL Operation coming from files.
* Written Gherkins and Java scripting automation test scripts to execute in cucumber.
* Embedded HTML components in reports with Java Scripting written in them to facilitate certain DHTML effects.
* Migrated dump files into subversion (SVN) repositories.
* User Interface for website with ERB, JQuery, RJS, Ruby, Ajax for Model, View, Controller, in Ruby on Rails Framework on Mac OS X Operating System.
* Performed SOA / Web Service testing using Soap UI.
* Worked with the Oracle developers to do the Unit Test using SOAP UI.
* Created SOP for manual fitness testing that outlined testing procedures to enable accurate replication and ensure compliance with standards.
* Executed manual black-box/end user, functional and regression tests for a mobile banking application on iPhone and Android platforms entering defects into Jira issue tracking system.
* Participate in risk analysis & gap analysis based on the requirements.
* Created data-driven automation scripts for testing API RESTful Web Services using SOAP UI
* Consult with the customer service representatives to take their opinion on the customer satisfaction with respect to their prior experiences and designed the test cases.
* Working in **Agile Scrum** Environment.
* Experienced in Functional Testing, Data Driven Testing and Load Testing for Web Services using SOAPUI.
* Tested web services with Soap UI tool to test the functionality of the new web services.
* Validate web service request and response using Soap UI.
* Performed defect tracking, using tools such as Bugzilla, Jira and Quality Center.
* Working as a Project Administrator **HP ALM/Quality Center** to organize and manage all phases of the software testing process, including planning tests, executing tests, and tracking defects.
* Interacting with business analysts and developers.
* Participating in **User Acceptance Testing (UAT)**, coordinated and supported the end users during testing session.
* Worked extensively with arrays and hashes in the ruby environment.
* Created the ETL exception reports and validation reports after the data is loaded into the warehouse database.
* Involved in defect tracking and task management using **JIRA** for testing and product deliverable
* Extensively using Quality Centre as the bug **tracking and reporting, Teller as management tool**.
* **Responsible** for extensive testing of different modules of the web-based/Internet application and the whole testing life cycle for the various modules of this application.
* Thoroughly **Cross browser tested** projects to support **IE7+, Firefox and Chrome**.
* Perform Functionality, **GUI** and Security Testing.
* Extensive use of T-SQL DDL and DML commands for various applications.
* Expert in transforming complex business logic into Database design and maintaining it by using SQL tools like Stored Procedures, User Defined Functions, Views, T-SQL Scripting.
* Developed automated scripts and frame works using python scripting.
* Assist as needed during **unit**, **performance** and **integration** testing.
* Worked on Integration of **Selenium RC/WebDriver** with existing **API** to test Framework.
* Responsible for regression cycles performed on Android and IOS devices.
* Involved in using Jenkins as a Continuous Integration server to configure with Maven.
* Implemented Object Oriented Concept like **Polymorphism, Encapsulation** to produce efficiency & scalability in automation Framework.
* Wrote **T-SQL** statements for retrieval of data and Involved in performance tuning of T-SQL Queries, Stored Procedures.
* Implement Test Automation Framework based on **Page Object Model, Java, Selenium** &**TestNG**
* Conducting different types of meetings and walkthroughs, discussed the outstanding defects, informed the **QA manager** with the update test status etc.

**Environment:** Selenium Web Driver, Windows OS, Soap UI, Oracle 9x, Java Scripting, MS Access, T-SQL, VB, SQL, TOAD, RTM, QTP 11, Clear Quest, Req. pro, MS Office, Python, cucumber, Quality Center12, Agile, PVCS, MS-Excel, MS-Word

**LA Health Care Los Angeles, CA**

## QA Engineer Jan 2014 – Aug 2016

**Responsibilities**

* Maintained Test Matrix for the latest test results information.
* Created detailed periodic status reports for senior management to keep them posted on the progress of implementation.
* Attended periodic meetings, teleconferences and led discussions on problem resolution.
* Designed and executed quality **Test Plans** and **Test Cases** to verify **Reliability**, **Accuracy** and **Compatibility** of application.
* Remove Duplicates, Filter, External Filter, Aggregator, Funnel, Modify, and Column Export in accomplishing the ETL Coding.
* Test case automation using Cucumber test automation tool and Gherkin scripting language.
* Developed QA processes automation test scripts using Python/Selenium to test Web based user interfaces for different type of browsers.
* Extensive use of T-SQL DDL and DML commands for various applications.
* Worked on Selenium scripts to regression test on multiple browsers and environments.
* Developed test scripts to automate process of testing in Selenium Web Driver using Testing.
* Have Used Testing Annotations with selenium scripts and used maven integration tool to execute test scripts as bulk.
* Developed and tested many features in an environment (AGILE) using Ruby on Rails, HTML5, CSS3, JavaScript, and Bootstrap.
* Worked with the application developers and provide necessary SQL Scripts using T-SQL.
* Design, develop and implement Page Object Model Pattern based Keyword Driven automation testing framework utilizing Java, Test-NG and Selenium Web-Driver
* In depth understanding of Object Oriented Programming and skilled in developing automated test scripts in Java
* Configured Selenium Web Driver, Test-NG, Maven tool and created selenium automation scripts in java using Test-NG prior to next quarter release.
* Worked with all **Agile** Development and **Scrum** process throughout the entire project.
* Identified the functional test cases for **Regression Testing, Performance Testing** and automated these scripts using **Selenium Webdriver**
* Good understanding of static and dynamic code analysis with strong expertise in **test driven development (TDD**) **andbehavior driven development (BDD**) and user acceptance driven development of automated tests.
* Worked as a developer in creating complex Stored Procedures, Triggers, Functions, Indexes, Tables, Views and other T-SQL code and SQL joins for applications.
* Developed various T-SQL stored procedures, functions and packages.
* Identified defects, entered required information into **Quality Center** as they relate to **Test Cases**
* Developed automated scripts for **Regression testing** using **Selenium Webdriver, debug and enhance** the scripts, run **scripts**, wrote **user-defined functions (**using **VB scripts)** etc.
* Converted existing UFT/QTP Script to **Selenium** script to support multiple browsers using **Java, Selenium Webdriver, and TestNG & Eclipse**.
* Developed Automation Engineering solutions for **GUI** using **Java, SeleniumWebdriver, Firebug/Fire path**
* Used SOAP UI tool to test SOA based architecture application to test SOAP services and REST API.
* Design & develop TestNG based Data Driven framework for Customer reward validation using Apache POI, Java, Selenium Web Drive &TestNG.
* Performed load testing with LoadRunner and JMeter.
* Design & Develop **automation framework** using Selenium **Java, C#, Webdriver, TestNG & apache POI**
* Developed **GUI** using **ASP.NET** and **C#** as code behind language to implement the business logic.
* Performed validations on web forms using **JavaScript**.
* Used Ant for building the WebDriver project. Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically.
* Experience in designing the presentation layer using the concepts such as **Master Pages**, **Themes**, **HTML5**, **CSS, JavaScript, and JQuery**for creating high responsive User Interface.
* Performed data analysis using SQL queries in Oracle.

**Environment:** Selenium Web Driver, Windows OS, Soap UI, Oracle 9x, Java Scripting, MS Access, T-SQL, VB, SQL, TOAD, RTM, QTP 10, Clear Quest, Req. pro, Cucumber, MS Office, Python, Quality Center10, Ruby, Agile, PVCS, MS-Excel, MS-Word

## Lincoln Peak Boston, MA

## QA Engineer March 2011 – Nov 2013

**Responsibilities**

* Prepared **Test Cases** &**Test Plans** based on the functional specification documents.
* Interacted closely with the development team to discuss the design and testing aspects of the application to design the test plans.
* **Developed Test Plan, Test scenarios, Test cases,** and **Traceability** Matrix.
* Performed **manual** testing for the entire application.
* Reviewed business manuals and requirement document (**BRD**) in order to summarize system-specific business rules and other operating conditions.
* Have good experience on testing Web 2.0 and web services using Soap UI.
* Verified the SOAP message delivery to the web services and verified the XML formatted response using the SOAP UI.
* Developed complex stored procedure using T-SQL to generate Ad hoc reports using SSRS.
* Converted existing **UFT** Script to **Selenium** script to support multiple browsers using **Java, Selenium, and TestNG.**
* Created and executed test cases using the HP ALM (Application Lifecycle Management) Tool.
* Involved in executing the **SQL** Queries for **Data Validation, Record Counting and Non-Duplication Testing.**
* Converting existing UFT Script to **Selenium** script to support multiple browsers using **Java, Selenium, and TestNG& Eclipse**.
* Used testing and development tools to analyze and determine issue details such as X code, Instruments, Chrome JavaScript console, Eclipse and Git/Source tree.
* Develop test automation framework based on **Page Object Model**, **TestNG** and **Selenium Webdriver**.
* Design and build automation framework for different web-based software products using **Page Object Model (POM) Design Pattern** to reduce code and for better maintenance
* Created User Defined Functions, Stored Procedures, and Triggers.
* Created database maintenance plans for the performance of SQL Server including database integrity checks, update database statistics, re-indexing and data backups.
* Experience in creating complex SSIS packages using proper control and data flow elements.
* Created data loads and Performed Data validations
* Created packages in SSIS with error handling.
* Perform testing in SOA Web Services operations environment accessed and communicated via SoapUI WSDL XML messaging.
* Functionally validated Web Services delivered in SOAP XML format as provided in specification document.
* Contribute to and monitor test planning, test preparation and scripting, and test execution according to defined best practices, standards and procedures.
* Extensively used SOAP UI in web services testing
* Involved in testing Web services and XML with tool called 'SOAP UI'. I have been using this tool to locate WSDL file on internet, create Test cases, run them, do load testing, security testing.
* Created Test Case and Test suites in SOAPUI Tool for testing Web services.
* Tested web service operations invoked using SOAP over HTTP protocol.
* Developed Automation Scripts for Regression using **Selenium Web Driver** and **Cucumber**
* Worked in the **agile** approaches and **Scrum.**
* Review & update selenium WebDriver coding in java eclipse.
* Created both Manual and Automation Test Scripts using Selenium WebDriver and JAVA Technologies (Eclipse IDE).
* Parallel running test scripts using Selenium Grid and get report in Local Machine.
* Performed Functionality, **GUI** and Security Testing.
* Involved in executing the **SQL** Queries for **Data Validation**
* Tested the application **manually (Black box testing)** during the development phase.
* Used **Quality Center** to organize and manage all **phases of the software testing process, including planning tests, executing tests, and tracking defects**.
* Extensively used Quality Centre as the bug **tracking and reporting tool**.

**Environment:** Selenium Web Driver, Windows OS, Soap UI, Oracle 9x, Java Scripting, MS Access, VB, SQL, TOAD, RTM, QTP 9.2, Clear Quest, Req. pro, MS Office, Quality Center10, Agile, PVCS, MS-Excel, MS-Word

## Mind Tree Ltd. Bangalore, India

## QA Engineer Jun 2010 – Dec 2010

**Responsibilities**

* Prepared **Test Cases** &**Test Plans** based on the functional specification documents.
* Interacted closely with the development team to discuss the design and testing aspects of the application to design the test plans.
* **Developed Test Plan, Test scenarios, Test cases,** and **Traceability** Matrix using **C#**.
* Create **web** pages coded in **C#, JavaScript.**
* Implemented on Mercury Interactive automated tools like QTP, Quality Center, Load Runner
* Generated QTP scripts for Applications by using VB Script.
* Performed **manualand automation testing** for the entire application.
* Performed Functionality, **GUI** and Security Testing.
* Tested the functionality of most commonly used panels, using **Quick Test Pro**, created and added logic to the script with conditional statements, loops and arithmetic operators to create more powerful and complex test.
* Involved in executing the **SQL** Queries for **Data Validation**
* Tested the application **manually (Black box testing)** during the development phase.
* Used **Quality Center** to organize and manage all **phases of the software testing process, including planning tests, executing tests, and tracking defects**.
* Extensively used Quality Centre as the bug **tracking and reporting tool**.
* Implemented **SDLC,** which included requirements, specifications, design, analysis and testing.
* Developed new and updated existing Automation test cases using selenium Web Driver and Test NG, using SVN for java based web application, using Maven as Build tool
* Developed and maintained automated regression test cases in Selenium WebDriver using Java programming language
* Responsible for creating and maintaining regression and smoke automation test scripts for end to end testing using Java, Selenium WebDriver, Test Ng, Cucumber, Gherkins, Eclipse. Working closely with developers and product owners to automate test cases.
* Work with QA lead to prepare **Test Plan**, **Test Cases**, **Test requirements and procedures**.

**Environment:** Selenium Web Driver, Windows OS, Soap UI, Oracle 9x, Java Scripting, MS Access, VB, SQL, TOAD, RTM, QTP 9.2, Clear Quest, Req. pro, MS Office, Quality Center 8, Agile, PVCS, MS-Excel, MS-Word