**Prakash Shrestha**

**Software Development Engineer in Test (SDET)**

**Professional Summary:**

* Over 6+ Years of experience in the IT industry as **Software Quality Assurance (SQA)** Analyst with focus on testing of Web-Based client/server applications.
* Experienced in various implementations of different **Software Development Life Cycle (SDLC).**
* Expertise in quality assurance, Manual and Automation testing, web based client/server, and web applications.
* Identified test cases to automate and automated those test cases using **Selenium RC,** **TestNg** and **Java (Eclipse IDE),** contributed in framework creation.
* Create framework from scratch for selected automation tool with choice of language.
* Write test cases from feature file created by QA , business analyst & developer.
* Integrate your framework with Continuous integration tool Jenkins to run test on every deployment in headless mode.
* Create and Update Object repository and Create Config for test environment and prod environment.
* Proficient on Automation tools like **Selenium WebDriver/RC/IDE/GRID, QTP (Functional & Regression Testing), TestNG, Junit, Ant, Maven, Jenkins, Hudson, Jbehave, Cucumber,** and **SOAP UI** Pro for testing Client Server and Web based Applications.
* Worked with **Agile, Waterfall,** and **RUP** methodologies in projectsExperienced in **TestNG, Junit,** **Data Driven,** Keyword Driven Frameworks in **Selenium.**
* Experienced in using **Selenium RC** for testing different browser, **Selenium Grid** for checking instance of server and **Selenium IDE** for record and playback
* Experienced in load testing, stress testing and performance testing using **LoadRunner** by scripting **VUser** scripts for multiple users, multiple transactions at rendezvous points
* Experience in Functional testing, Stress testing, Regression testing, Performance testing, Integration testing using **Black Box** testing and **White Box** testing on **UNIX / NT** platforms
* Administration of **HP’s** **LoadRunner/Performance** Center for developing virtual user scripts, scenarios, scheduling, resource monitoring and analysis for short and long term load and performance testing projects.
* Tested the **ETL Informatica** mappings and other **ETL** Processes (**Data Warehouse** Testing.
* Experience in reporting, filling, tracking and managing defects using **Clear Quest.**
* Extensively used Quick Test Professional **(QTP)** to perform functional and regression testing.
* Implemented Automation Framework using Data Driven and Customized framework approaches.
* Experience in testing **Data warehouse** testing using **SSIS** and sound knowledge in **Cassandra, Impala** and **Flume.**
* Extensively used **Soap UI** to validate **Soap/WSDL** and **Web services.**
* Hands on experience working on scripting languages such as **SQL, VBScript, HTML** and **XML.**

**TECHNICAL SKILLS**:

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| **Testing Tools:** | Query Analyzer, Quick Test Pro(QTP 8x/9x/10x), TOAD, Test Director 80/7x, Quality Center 90, SOAP Test Manager, Compuware Tools (QA Director, Selenium, Test partner, Track Record and QA Load), SOAP UI, Jmeter |
| **Database:** | Oracle 9i/8i/80/7x, MS-SQL Server70/2000, MS-Access, DB2 |
| **Languages:** | HTML, XML, JavaScript, SQL, PL/SQL, XML/XSL, JavaScript, VBScript, and ASP |
| **Operating Systems:** | MS-DOS, Windows NT/2K/XP, MVS and UNIX, AS/400 |
| **Others:** | JUNIT, SQL Plus, Edit Plus, Ultra Edit |
| **Microsoft tools:** | MS Office 2003, 2007, 2010(Word, Excel, Power Point, Outlook), MS Visio, MS Project and MS FrontPage |

**EDUCATION:**

* Bachelor of Business Administration, Kathmandu University, Nepal, 2009

**PROFESSIONAL EXPERIENCE**:

**Capital One, Plano TX July 2016- Current**

**Software Development Engineer in Test (SDET)**

**Responsibilities:**

* Conducted Automation/ Manual testing using the standards, guidelines and structured methodology in testing the application.
* Documented and executed Test plans, Test cases and Test scripts based on business requirement documents.
* **End to End** execution of automated scripts, Test Result analysis.
* Involved in developing test plan and Test scripts using the business documents in Test Director.
* Involved in Testing in **Agile** Development Environment using the business documents in Test Director.
* Validated web services manually and through automation using **SOAP UI.**
* Tested Extensive backend testing using **SQL queries** to retrieve data from the database and checked data integrity.
* Attended review meetings with Business Analysts, developers and end-users to understand and test according to their requirements.
* Closely interacted with the developers in fixing the bugs.
* Involved in writing test summary reports, defect summary report and keep track of the defects.
* Involved in Automation Infrastructure Development using **Selenium.**
* Created Test cases using Element locators and **Selenium Web driver** Methods.
* Enhanced Test cases using Java Programming features and **TestNG** Annotations.
* Execution of **Selenium** Test cases and reporting defects.
* Involved in Regression Testing using **Selenium WebDriver** and **TestNG**
* Enhancing the **Selenium** Test cases for cross browser testing.
* Performed Database Testing using **SQL** in order to check the data Validation and Data Integrity.

**Environment:** Java, Selenium IDE, Selenium, REST Cucumber, Quick Test Professional 100, Quality Center 90, SOUPUI, HTML, XML, Jenkins, ALM, JIRA, SVN, Windows XP/Vista, TFS, MS SQL Server, Web Services, Agile Methodology.

**Bayer Corporation, Plano, TX Sep 2014 – Jun 2016**

**Sr. QA Consultant**

**Responsibilities:**

* Reviewed requirement, documents and implemented the details to write test plan, Test scenario, and test case.
* Strong on **Selenium IDE** and created Scripts in **Selenium** by using **Java** Used **Selenium IDE** for open source web testing.
* Recorded and plays back test in **Fire fox** using **Selenium IDE** Created Automation test framework using **Selenium.**
* Manage requirements and maintained test repository using **Quality center.**
* Involved in the development of **REST API** services using **Jersey** **JAX-RS.**
* Adhered to **Agile Scrum** development methodology.
* Developed **REST** web services supporting **JSON** format to perform tasks.
* Created a test scripts using Automation **QTP** for regression and functional testing.
* Running single script multiple numbers of times using different user using Advance Data driven.
* Performed the maintenance of function and scripts files in **QTP** for every build and release.
* Wrote Several **T-SQL** scripts to validate the data in back end.
* Experience in installing, configuring and using **Cassandra.**
* Developed Test Scripts using **QTP** to perform smoke, functional and regression testing.
* Created Checkpoints and Synchronization points in the application to deal with problems in **QTP.**
* Used object identification to map and created shared object repository to share all the objects of application globally.
* Review requirement documents and implemented the details to write test plan, Test scenario, and test case.
* Manage requirements and maintained test repository using **Quality center.**
* Used Firebug Tool to identify the Object’s id, Name, XPath, link in the application.
* Introduced the use of automated testing tools such as Cucumber to reveal and document, as well as drive development of, behavior in a large legacy code base.
* Created a test scripts using Automation **QTP** for regression and functional testing.
* Running single script multiple numbers of times using different user using Advance Data driven.
* Performed the maintenance of function and scripts files in **QTP** for every **build and release.**

**Environment:** Java, Selenium IDE, Selenium Webdriver, REST Cucumber, Quick Test Professional 100, Quality Center 90, SOUPUI, HTML, XML, Jenkins, ALM, JIRA, SVN, Windows XP/Vista, TFS, MS SQL Server, Jmeter , Web Services, Agile Methodology

**SGI International, Indianapolis, IN Aug 2012 – Aug 2014**

**Sr. QA Consultant**

**Responsibilities:**

* Responsible for implementing **LoadRunner, JMeter** based infrastructure including: Architecting the load testing infrastructure, hardware & software integration with **LoadRunner.**
* Created a Selenium server setup for automated testing in the **AWS Cloud.**
* Involving in Functional Testing & Regression Testing.
* Involved in acceptance testing using **Cucumber** and **Selenium WebDriver.**
* Developed Modularized Scripts with multiple Re-usable code blocks to streamline and control script development into manageable units.
* Used Java language and TestNG framework for scripting Integrated Automation scripts **(Selenium WebDriver API)** in Continuous Integration tools **(Jenkins)** for nightly batch run of the Script.
* Used Ant for building the **WebDriver** project Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Execute stress/load scripts utilizing **JMeter** to determine real-world scalability of web sites and web applications.
* Monitored the test execution in **Jenkins** once the code pushed into Continuous Integration.
* Created **XML** based test suit 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.
* Implemented Automated execution of tests (nightly and need based) using **Jenkins.**
* Created Project plan on **Jenkins**, configured scheduled using **Cron** job.
* Used **Maven** for building the **WebDriver** project Integrated with Continuous Integration tools **Jenkins** for running test on nightly basis automatically.
* Developing Automated Test Scripts to perform Functional Testing, Performance Testing, Integration Testing, Stress Testing, System Testing, User Acceptance Testing, Regression Testing and Volume testing of the application using **LoadRunner.**
* Performed multiple application **Load tests** with **HP’s Performance Center 110** in a dedicated performance testing environment to baseline and flush out all bottlenecks and inconsistencies between builds and database updates.
* Extensive **Web Testing** & **Black box** Testing and performed Functional, **GUI** testing **ETL** testing, **Data warehouse** testing& web based application.
* Conducted the **Smoke** Testing to check the High Level functionality of an application.
* Created the Automation Framework for the application to make sure the adequate coverage for the regression testing.
* Automated the test scripts for the **GUI,** Functional, Data Driven and Regression testing using **QTP.**
* Created parameters that inserted different data into each iteration of a test run using Parameterize test in **QTP.**
* Defects tracked and reported using **Quality Center** Reporting tool.

**Environment:** Quality Center, XML, HTML, AWS Oracle, Selenium, TOAD, QTP, Windows XP

**The Provident Bank, Amesbury, MA Apr 2011 - Jul 2012**

**QA Analyst**

**Responsibilities:**

* Involved in review of Functional Requirements with functional Manger and Technical Specialist
* Performed **Sanity Testing, Smoke testing,** and **Security Testing** for Internet and Intranet Based web application, which was developed in **Net** environments
* Participate in the test environment setup and in ensuring that facilities and test tools are in place to successfully perform the required testing efforts.
* Involved in preparing Test Plans and Test Cases based on Functional Requirements using **Quality Center.**
* Worked on developing the business requirements and use cases for **Facets** batch processes; automating the billing entity and commission process.
* Validated results in **Hogan (Mainframe)** and documented results in excel Using checking and **Saving Account numbers (DDA),** verified Customer profile and transactions.
* Performed the Automated testing by using **Quick Test pro(QTP).**
* Used the check points to enhance the scripts of the testing in **QTP.**
* Created **Requirement Traceability Matrix (RTM)** to track requirements.
* Performed the security testing of an application to check the unauthorized access.
* Use Rational **Clear Quest** for version control, tracking defect, assign work activities, enhancement request and assess the real status of project throughout the life cycle.
* Utilized **AGILE** methodology, for constructing test plans, test scenarios, test cases, and summaries based off software requirement Specifications and story cards.
* Created and maintained traceability matrices and performing impact analysis for changing requirements.
* Manual, Automated, Functional, Regressive, System, and **Data-Driven** Unit testing using: **SOAPUI,** and **QTP.**
* Extensively used **SOAPUI web service** tool for testing several different web services.
* Used **QTP** for **GUI** functional and regression tests, for existing applications within the production environment, to minimize production issues.
* Weekly tasks included: Writing Process Flows, Site Maps, Attending **Scrum Meetings,** and Detailed Design Reviews.
* Attended Agile meetings for weekly development Iterations, also participated in weekly walkthrough meetings.

**Environment:** QC, QTP, SOAPUI, AWS Windows XP, SQL Server 2005, XML, HTML, JavaScript, UNIX, Linux, VB Script, Microsoft Office Products

**Wellness and Prevention, Ann Arbor, MI Aug 2010 – March 2011**

**Performance Tester**

**Responsibilities:**

* Involved in Back-end testing for the full functionality of **Web Services.**
* Responsible for requirement analysis, identification and documentation of required system and functional testing efforts for all test scenarios Positive and Negative.
* Performed Performance, Load, Stress, Spike and Back end Testing.
* Experience in healthcare **FACETS** data model and configuration.
* Performed Manual testing using **HPALM/Quality Center**; Tracked defects and developed Bug Tracking Reports using **ALM/Quality Center.**
* Wrote various **SQL Quires** to perform back-end database testing.
* Evaluated the system for Performance testing and analyzed the non-functional requirement.
* Designed and developed the performance test plan and estimation.
* Conducted End to End user Load Test with maximum 100 users under different scenarios.
* Developed and implemented load and stress tests with **Load Runner,** and presented performance statistics and provided recommendations of how and where performance can be improved.
* Tested the overall performance under different load types using the **Jmeter.**
* Derived and developed Requirements, Functional, Regression Test Cases from Use Cases and Test Scenarios.
* Executed test cases, tracked and analyzed defects using **Web Service** Tool called **Clear Quest.**
* Executed **SQL scripts/queries** for data verification to compare the expected results with database.
* Involved in **Front End** Application Testing For **UI** and Regression Testing.
* Worked with business customers, software engineers, QA engineers, and project leads to ensure successful roll out of high-quality application.

**Environment:** Test Director, FACETS, Clear Quest, AWS, Jmeter, Microsoft SQL Server, AS/400, XML, and IE 50, Windows XP