# Pukar KC

**Professional Summary:**

* Professional Selenium QATester with 7+ years of experience in executing manual test, automated test and creating test scripts for client side and web applications.
* Strong testing background that includes reviewing system requirements, estimation, tasking, writing and   
  executing Test cases and status reporting
* Proficiency in development of Test Plans, Test Scenarios, Test Conditions, Test cases and automated Test Scripts
* Proficient in automation tools such as Selenium, Cucumber-IVM
* Expert in set up and defining Automation Frameworks by using Selenium, RPT and RFT.
* Proficient in Planning, Design, and Maintenance of complex Test Automation Frameworks.
* Strong knowledge of Software Development Life Cycle (SDLC), and QA Methodologies like Agile, Scrum, Waterfall, and Iterative process.
* Strong Experience in GUI Functionality testing, System testing, End-to-end testing, Smoke testing, Regression testing, Data-driven testing, Cross Browser testing, User Acceptance Testing and Boundary Value Testing, performance testing.
* Used Ruby client library for Selenium /Web Driver to design and develop automation tests using JUnit / TestNG frameworks.
* Expert in BlackBox and WhiteBox Testing, writing test plans, test cases, automation processes and set up.
* Experience in performing the Acceptance testing and Acceptance test driven development using the test automation Robot framework for the applications.
* Strong knowledge in Analysis of Problem Severity, Defect tracking tools like Clear Quest, Defects reporting system and Version control tools like PVCS , Microsoft Visual SourceSafe and Clear case.
* Experience in preparing test plans, developing, reviewing and executing test cases and test scripts based on Functional Requirements, Business Requirements and Use Case Documents.
* Experience in test automation design and implementation from concept to completion in an agile testing/continuous integration environment.
* Experience in Smoke Testing, Functional Testing, Integration Testing, GUI Testing, Regression Testing, System Testing and UAT.
* Excellent interpersonal, communication, documentation and presentation skills.
* Expertise in MS Office: Word, Excel, PowerPoint, & Outlook.
* Excellent communication skills and ability to work both independently as well as part of a team.
* Proven ability to communicate effectively with other members of the QA team and the Development team.
* Quick in learning new technologies, tools and wiliness to work hard to achieve employer's objectives.
* Flexible and versatile to adapt to any new environment and can able to work in pressured environment to strict deadlines.

## Work Experience:

**Bank Of America, Dallas, TX May 2017 to Till Date**

**Sr. Automation Engineer**

**Roles and Activities:**

* Setup the Automation framework using Selenium Web Driver to run test cases in multiple browsers and platforms using Sauce Labs.
* Built up automation test infrastructure using python for customer network setups.
* Used **TestNG** framework, covering several types of test designs like a unit test, functional test, **end to end test**, **UI** test and integration test.
* Performed REST API Testing using Http Java Test Client for SOAP/REST web APIs.
* Robotic Framework is an open source framework, keyword-drive test automation framework, written in Python.
* Automated test cases using Robot framework by creating keywords in robot framework and Python using Selenium library.
* Executed Multiple Scripts approximately 10 to 15 in Parallel using Sauce Labs.
* Used Jenkins tool for continuous integration, used Maven to create test suite and creating technical and managerial reports.
* Used Robot framework and SOAP UI for testing of REST API.
* Reduced time to market by enabling early testing in the dev cycle by transforming from zero API testing to 100% API testing by creating the API testing framework using HTTP Client ground up.
* Design automation framework, implement python automation test cases for MQTT messages for over the air connectivity features.
* Implemented framework for RESTful API testing using Postman and soap UI.
* Developed **automation tool** which integrates the **End to End Testing** process.
* Responsible in executing Selenium test scripts on different browsers and checked for compatibility.
* Built up automation test infrastructure using python for customer network setups.
* Worked extensively in lower environments using Sauce Connect with maintaining maximum privacy ofthe client website projects.
* Worked on multiple projects and extensively involved in User Acceptance testing (**UAT**), **End to End**, **Sanity Testing**, **Functional Testing**, **Regression Testing**, **Validation testing**, **Performance Testing**, **black box**, **white box** and **Cross-Browser testing**.
* Performed manual, automated testing including functional, system and performance testing in all different browsers using Sauce Labs.
* Strong experience providing Automation Test Solutions using python/Perl/Selenium.
* Created with proof of concepts to use CA LISA as the testing answer.
* Create and Improve Automation Scripts to improve the execution efficiency.
* Worked with Jenkins to create Jenkins Build to support Continues Integration process.
* Used frameworks like JUnit/ TestNG for unit testing.
* Expert in developing Selenium Web Driver/RC/IDE/GRID test scripts using Python, Java and Test Frameworks using Testing/JUnit, Ant/Maven build tools.
* Experience working in an environment of manual testing including Interface testing experience with third party vendors, **smoke testing**, **functional**, **COTS-Commercial** Off the shelf application experience, **EDI**, **end to end** and **User Acceptance Testing.**
* Executed automated Smoke test and Regression test from Jenkins in daily / hourly basis.
* Created Test Strategy and Management plan and reviewed with Development team.
* Reviewed the user requirements and contributed in preparing the detailed Test Plan and Test Criteria.
* Extensively Used, Confluence, JIRA for bug tracking and project management purposes.
* Used Git Hub to get the latest version of the committed code to the testing environment.
* Preparing the Test Reports and maintaining of test repository.

Developed and executed SQL queries in the database to conduct data integrity testing by checking the data tables on the server.

**Environment: Java, Selenium RC/IDE, Junit, SOAP UI Eclipse, JavaScript, XPath, Robot framework,Python, HP Quality Center, Firebug, SQL**

**Client: Sysco Corp,HOUSTON, TX June 2016 to April 2017**

**Software Quality analyst/Engineer**

**Roles and Activities:**

* Extensively involved in Preparing the Manual and Automation System Test Plans and Test Strategies.   
  Identified test cases to automate, prioritized suitable candidates for automation and automated test cases using Selenium RC and Selenium IDE, Junit and Java.
* Expertise in Selenium automation using Selenium WebDriver, Selenium Grid, python, JUnit& Maven.
* Perform Functional Testing, Regression Testing, System Integration testing, (**UAT**) User Acceptance Testing, and **End to End Testing**.
* Reviewed test plans, test cases and test scripts to ensure consistency with strategic direction, goals and objectives of QA resources working on the project with Agile SCRUM methodology.
* Involved in setting up Selenium RC in the Test Environment, deploy and run the scripts in as part of the build and generate automated test reports for test runs.
* Good experience in Selenium Robot framework for automation testing of BO reports.
* Worked on developing the Automation scripts using Selenium RC with Junit Frame work.
* Developed Test Scripts for Automation of the web-based application in Selenium- Junit.
* Developed Junit tests for each Java based API in the Project and verified functionality by matching expected and actual output values.
* Performed **End to End** Scenario testing.
* Designed automated tests, created automated test cases, test plans and executed tests using Selenium.
* Involved in developing and executing Automation Regression testing and System testing using Selenium.
* Executed test scripts, analyzed test results, and report identified problems/bugs using Quality Center.
* Supported development team in finding the root cause of errors, by analyzing logs, database and source.
* Performed data driven test and regression testing using Selenium.
* Check Configuration and compatibility testing for s/w versions and hardware.
* Extensive experience in JAVA programming for JAVA Automation/Performance testing.
* Involved in Testing in Agile Development Environment. Using TDD and ATDD approach.
* Interacted with Developers to follow up on Defects and Issues followed by the Defect Life Cycle.

Tested extensive backend testing using SQL Queries to retrieve the data from the database and checked data integrity.

**Environment:HP ALM, Sales force, AS400, SQLServer,BMC Remedy,Python, Selenium, Eclipse, TESTNG**

**Client: Capital Group Irvine,CA May 2015 to May 2016**

**Sr Quality Analyst**

**Roles and Activities:**

* Apply SDLC and Agile software quality assurance and software testing concepts and practices to continuously assess the risks, condition and quality of products and releases
* Review requirements, acceptance criteria, functional design, technical design, and use case design documents to determine testability.
* Provide estimates for planning, development and execution of test efforts.
* Actively interacted with the Business users, product owner and the developers in the Agile team to understand the test scenarios.
* Automated the test scripts as planned, prepared and maintained using HP Quality Center (QC).
* Prepared test schedules from the derived workload model. Understand and Analyse Performance requirements and preparation of Performance test plans.
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* Automated various critical points identified in functional testing using Selenium Webdriver.
* Created Test Strategy, Test Plan and Test Cases.Developed and automated regression test cases with positive scenarios using Selenium Web driver.
* Involved in writing SQL queries for retrieving and manipulating databases.
* Performed Backend and Database tests using SQL queries, validated the data for database editing and debugging was conducted using Selenium.
* Involved in practicing the testing through SOAP UI.
* Involved in validating Sanity, functional, Integration and Regression test suites usingSelenium and the request and response of the Web Services (REST, SOAP) through SOAPUI.
* Involved in system testing, Grey Box , Web Services testing (using SOAP UI) and regression testing.
* Creating Automation framework for selenium with Cucumber framework using Junit.
* Performed and maintained unit testing using Junit framework
* Used various QTP functionalities to enhance test script quality and affectivity.
* Performed Data Driven Testing for multiple sets of data using QTP.
* Generated automated test scripts for functional and regression testing using QTP
* Dynamic and static objects in Selenium are dealt with the DOM, Xpathand CSS path.
* Developed test scripts for service calls and rendered data through XML files.

Dealt with the Bug life cycle phases like Defect analysis, bug tracking and Retesting is performed and maintained the status of reports.

**Environment:Java, JSP, HTML, DHTML, CSS, Selenium Webdriver, QTP, XML, Eclipse IDE, Junit, SVN, HP ALM/Quality Center, Load Runner, SOAP UI, Performance Center, SQL Queries, Oracle and Firebug**

**Client: MedassetsInc , Plano TX May 2014 to Feb 2015**

**Roles and Activities:**

* Analyzed Business Requirements and Identified documents required for system and functional testing efforts for all test scenarios.
* Worked closely with users product owners and Application developers to ensure that application development meets to user's expectations.  Developed all the necessary documents for QA Testing like Test Scenarios, Test Strategies, which includes all test items & Test Cases, and User Documents etc.
* Performed cross browser testing on web based application using (IE7, IE8, IE9, Firefox, Safari, and Chrome)
* Performed GUI validation of web applications, and security testing of the application as well
* Validated the data against GUI to databases.
* Validated the responses of web services by passing various requests using soap UI.
* Performed Functional testing, Regression testing, Smoke testing, Sanity testing, integration testing, database testing.
* Logged defects into Rally/TFS and retested them once they are fixed and updated the state accordingly.
* Validated the client reports in against the data in Tera Data databases.
* Validated List reports, Crosstab reports, Charts, Dash Boards of Micro Strategy reports.
* Written complex SQL queries to validate the data against the target based on ETL mapping specifications.
* Involved in verifying the data in target database after ETL process .
* Involved in performing column data mapping between source & target database.
* Involved in preparing test data for testing.
* Involved in data warehouse testing by checking ETL procedures/mappings.
* Involved in verifying the data which is loaded into target database.
* Validated functional test, Smoke test, regression, test Sanity test during pre-prod/Prod deployment, Releases and monthly patches.
* Managed manual test passes/runs with TFS.
* Worked with offshore and onsite team members.
* Responsible for documenting the process, issues and lessons learned for future references.
* Worked in Scrum-Agile model.

**Environment: Rally, TFS, Micro Strategy, MS SQL Server 2008,Tera Data, SOAP UI Pro, Web Services, WhereScape, IE, Chrome, MS-Office, Snipping Tool**

**Client: Wellness and Prevention, ann arbor, MI Jan 2013 – April 2014**

**Sr. QA Analyst/ETL Tester**

Roles and Activities

* Analyzed solution architecture and design documents including Source to Target & detail design documents needed for each tracks and plan test design activities.
* Prepared UAT project planning like creating testing scenario, test plans, and test scripts and test summary reports
* Assisted QA Manager in developing test estimation, scope and test plan for UAT
* Drafted complex SQL queries and perform allocation testing from front end / user interface
* Extensively written complex SQL for ETL and report testing.
* Kicked-off test cases design session with business, setup working sessions with Business SMEs, to review functional/technical requirements and responsible to translate business requirements into quality assurance test cases, facilitated test cases sessions, identified test coverage and gaps if any as part of the sessions.
* Extensively used ETL for testing and supporting data extraction, transformations and loading processing in a corporate-wide-ETL Solution using Informatica.
* Worked with Infrastructure to define/ redefine what's required from environment as well as data needs perspective for both EDW SIT and UAT environments.
* Involved in testing the micro strategy reports for data validations and cosmetics.
* Validate the response time to access a particular dashboard, page and report in SSRS
* Validated the data validation between source and target.
* Validated the data flow and control flow transformations are working according to functionality in SSIS packages.
* Identifying defects and performed root cause analysis by analyzing data quality issues
* Assigned the tasks of preparing test results as well as gather test results from other testers in standardized format.
* Validated the master data managed from multiple source systems.
* Validated List reports, Crosstab reports, Charts, Dash Boards of SSRS reports and SSAS cubes.
* Reviewed the test activities through daily Agile Software development stand-up meetings.
* Release Check list, Lessons Learned documents and Regression Test Suite for future use.
* Responsible for testing Initial/Reconcile and Incremental/daily loads of ETL jobs.
* Interacted with design/development/DBA team to decide on the various dimensions and facts to test the application.
* Heavily involved in testing reports in SSRS, validated both the custom and ad hoc reports.
* Review daily test status and issue/ defects with the project team and business. Prepare communication and create daily status and defect reports.

**Environment: SSAS, SharePoint, Quality Center ALM 11.0, Agile, SQL Server 2008, SSIS, Informatica 9.1**

**Pacific Gas and Electric, San Francisco, CA May2011 – Dec 2012**

**ETL /BI Tester**

**Roles and Activities:**

* Prepared Test cases and Scripts in Quality center and executed them in test lab module.
* Performed pre-process validation for existence of specified database objects like tables, views, synonyms and grants for the same to corresponding schema in database.
* Validated the target table column definition with source column definition (including type and length).
* Involved in verifying the readiness of the system before starting process.
* Written SQLs using joins, sub queries, correlated sub queries, group functions, and analytical functions to validate the data between source and target.
* Analyzed modules and designed test scenarios and test scripts in UNIX environment.
* Handled the tasks of explaining UAT scope, criteria and entry/exit strategy to less trained professionals and Responsible for driving end-to-end Test scenarios efforts and in identifying test data for UAT
* Reviewed SIT test cases and test scripts, provide feedback and support in terms of testing techniques and test coverage.
* Summarized final Test Summary Results and review with Business and IS in order to obtain approvals
* Maintained all documents, SQL scripts, approvals and test results and saved on share point.
* Created test conditions and related test cases, and executed test scripts using Quality Center.
* Reviewed and approved the builds into test environment and performed sanity testing after build
* Performed UI validation of web applications, and security testing of the application as well
* Perform Web Services Testing using **SOAP UI for Various Web Services**
* Performed different types of testing like functional, Integration, Regression testing and supported users with User Acceptance testing.

Environment: SQL Server 2008, HP Quality Center, Share Point, Unix, SOAP UI,Agile, HTML,IE, Chrome   
& Mozilla Fire Fox,

**Client: Bank Of America, New York Sep 2010 – April 2011**

**QA Analyst**

**Roles and Activities:**

* Followed Waterfall throughout the project.
* Involved in entire Software Testing Life Cycle (SDLC), reviewed and analyzed the Business Requirement Document, Use Case, Wireframe
* Create Test Cases based on Wireframe and BRD.
* Interacted with Business Analyst, Project Manager to resolve misunderstanding between application functionality and Wireframe document.
* Performed Smoke, Functional testing, Negative testing, Regression testing, and End-to-End testing, on modifications and enhancements prior to production releases.
* Performed cross browser testing on web based application using (IE7, IE8, IE9, Firefox, Safari, and Chrome)
* Performed backend testing to make sure data saved/edited and deleted from front end UI is affected to back end as well.
* Performed positive and negative testing for functionality.
* Used Quality Center for organizing Requirements, store the Test Cases and executing the test cases and logging/tracking Defects.
* Interacted with developers to resolve software related defects issues.
* Worked with Wire Analysts to get the data for Customers or Accounts with valid funds in application.
* Preparing Requirement Traceability Matrix (RTM) to establish traceability between requirements and test cases.
* Participated in defect report meetings, and Application Walk Through meeting
* Participated in Group Testing
* Involved in Weekly Status reports updates to the team manager.
* Help other team members to improve testing process.

**Environment: SQL Server 2005, Windows XP, Quality Center, Microsoft Office,Waterfall, IE, Chrome,**