**Kanchana**

* Over **6+** years of experience in Software Quality Assurance using Automation & Manual Testing with a solid understanding of all the phases of **SDLC** & **STLC** in multiple domains.
* Expertise in software development life cycle (**SDLC)** process and **Agile**.
* Experienced in developing **Automation** **Frameworks** using **Java, TestNG, Selenium WebDriver, Maven** and **Jenkins** for **UI Automation** functional testing.
* Responsible for doing the **Selenium Automation** using **selenium** web driver to build automated regression test suites for front end applications.
* Worked with enhancing **Automation Framework** to fetch expected data through **API** calls using **HttpClient**.
* Experienced in writing locator scripts using XPath and CSS Selectors , also familiar with browser based locator plugins like **Firebug**, **FirePath** and **XPath Helper**.
* Implemented cross browser testing using **Selenium** for **Firefox**, **chrome** and **IE**. Experienced in parallel testing using **Selenium Grid** and **TestNG.**
* Exposure to **Continous Integration** and **Continous Delivery.**
* Worked on grid setup using cloud platform like **BrowserStack**.
* Familiarity working with to code review tool – **Gerrit**.
* Experience in working with Build Systems like **Maven** and Continuous Integration systems like **Jenkins**.
* Knowledge on **REST API** automation using **HTTP** Client, org.json, Jackson libraries. Worked with TestNG assertions
* Designing and implementing test scripts for the mobile applications on **IOS** and **Android** platforms using **Appium** framework.
* Worked with locating elements using **UIAutomatorViewer, AppiumInspector and used cmd line and debugging tools like ADB, logcat, DDMS for Mobile Automation.**
* Experience with **JMeter** to do Load and Stress tests for **Web applications** and **REST API**’s.
* Worked in creation of load scripts using **Jmeter - ThreadGroups, RequestSamplers, TestScript Recorders, Controllers, Assertions and Listeners**.
* Knowledge in **BDD** based API testing using **Chakram** which is based on **Node.js.**
* Knowledge on **NoSQl** database **MongoDB.**
* Experience with Service Oriented Architecture using **SOAPUI** tool to test web services.
* Very good at bug-reporting and bug-tracking using the test management tools like **ALM, Quality Center, JIRA** and **Rally.**
* Proficient with **UNIX** systems and Shell Scripting.
* Worked with **SQL** to test database for Data Mapping and Data Integrity.
* Experience in performing **Functional testing, Backend Testing, BlackBox Testing, Integration Testing, Regression testing, User Acceptance Testing,** and **Automation Testing** using **Selenium WebDriver**.
* Experienced in defining Testing Methodologies, Designing **Test Plans** and **Test Cases**, Verifying and Validating Web, Mobile and WebServices.

**Technical Proficiency:**

* **Testing Tools:** Selenium IDE/RC/WebDriver, Mercury Quality Center, ALM, Jira, JUnit, QTP, SoapUI, Oracle SQL Developer, Firebug, Firepath, TestNG, JMeter and Appium.
* **Operating Systems:** Windows, Windows 2003/2008 Server, LINUX, UNIX, Mac
* **Programming Languages:** Oracle (SQL) , Java
* **Database**: MS Access, MS SQL Server 2005,Oracle
* **Continuous Integration:** Jenkins
* **Build Tools:** ANT, Maven

**Professional Experience**

**Endicia, Mountain view, CA Aug 2015 to Present**

**QA Tester**

**Description:** Endicia deals with mailing and shipping easier, faster, and more efficiently. The client for Endicia is USPS. It helps Integration with existing systems like USPS easily for Online Sellers, Warehouse Shippers and Office Mailers. They have various API’s to embed USPS services into their applications and websites. These APIs provide the capability to validate addresses, sell customized postage etc. Also other API’S like Label Server API lets partners to offer customers USPS shipping without forcing end-users to install new software

**Responsibilities:**

* Involved in **Agile** meetings, Story boarding, daily stand up meetings. Worked as part of **Agile** team to test, automate and maintain the automation frameworks.
* Designing and writing test cases based on the acceptance criteria of the user story assigned.
* Performed functional testing to identify various critical points in the application and automated it by using **Selenium WebDriver** with **TestNG.**
* Developed automation scripts using **Selenium WebDriver** for web applications and **HttpClient** for **REST API’s**.
* Developed web services automated scripts using **API** specifications to verify **RESTful web service** calls using **HttpClient** and **JSON** parsing libraries.
* Strong in **API** testing using tools like **SoapUI Pro**, Advance **REST** client etc. Worked with **Groovy Script** to create **data** **driven scripts**.
* Write and execute automated functional test cases using **SOAPUI Pro** to test Web service **API** using both **REST** and **SOAP** interfaces.
* Created own wrappers for Configuration, **WebDriver**, **Web Element** to make code reusable for future.
* Based on **UIMapping and data driven** patterns, developed **Selenium test** scripts in **JAVA** using **TestNG framework.**
* Developed test code in **Java** language using **Eclipse** **IDE** and **JUnit** **framework**.
* Used **PageObject** **Pattern**, **UI Mapping**, **Data Driven, Base Classes, Dynamic Configuration, Dependency Injection, and Singleton** to make the framework.
* Measured statistics for **Web Application** using **JMeter**.
* Developed POC w.r.to UI automation using **Protractor** for **Angular.JS** applications.
* Used build tools **Maven** and Continuous Integration tool **Jenkins**.
* Created and executed manual test cases using **Rally.**
* Created automation scripts in **Eclipse**, **Selenium WebDriver**, running them as **TestNG**.
* Good understanding and knowledge of **UNIX** commands.
* Test the application on different browsers such as **IE, Chrome, Firefox** and **Safari**.
* Wrote **SQL** statements for Data Mapping and executed SQL queries using SQL Developer.
* Gained Knowledge on NoSQl database MongoDB.

**Environment**: Agile, Selenium WebDriver, TestNG, Maven, Java, JMeter, SQL Developer, Jenkins, Appium, Protractor, SOAPUI, REST API's, Rally, SQL, UNIX.

**Align Technology Inc. San Jose, CA**

**QA Engineer May 2014 to July 2015**

**Description:** Align Technology is a global medical device company with industry-leading innovative products such as Invisalign clear aligners, iTero Intraoral scanners. The project was aimed at integration of different systems where Align Technology provides training, clinical education programs, and the tools needed for orthodontists or GP dentists to adopt its innovative technology and offer the treatment options in their practices. I Worked on online selling portal of align where application deals with Invisalign sales. Portfolio Management is an application that provides an integrated environment for account management, policy changes/renewals, monthly premium dues alerts, claims processing status. It enables the clients to access, review and update their products purchased from MetLife and its subsidiaries. Users of this application are Insurance policy owners, Insurance agents and Customer Service Representatives.

**Roles & Responsibilities:**

* Analysis of functional specifications and designing **Test Plans**, Test cases for Functional Testing. Created data validation in **white box** testing environment.
* Created a framework using **Java, TestNG, Selenium Web driver and Apache POI** for UI automation functional testing.
* Knowledge on **Page Object** **Design pattern** along with **Page Factory** to drive **Selenium scripts.**
* Created data driven testing using **CSV** Reader **API** for data driven testing using **Java and Selenium**.
* Designed and developed Utility Classes in **JAVA** to help speed up automation and data verification for **SOAP/API/XML** responses.
* Created functional automation scripts for the report generation module using tools Selenium **WebDriver** and **TestNG**.
* Setup the **Automation framework** using **Selenium WebDriver** to run test cases in multiple browsers and platforms.
* Created performance test scripts using **JMeter** to monitor response time and performance of the **RESTful APIs**.
* Wrote some test scripts in **Appium (Java + Selenium**) to test mobile application functionality for **IOS** and **android** devices.
* Extensive experience with **RESTApi** testing using Java utilities built using **Apache HttpClient**.
* Helped in performance testing for **API** using **JMeter**, by writing and running the **performance test**, collect data, and generate reports using **HTTP Samplers**, Test Recorder, Controllers and Listeners.
* Assisted in unit testing of the application on **TestNG** framework.
* Worked on **GIT** Repository and developed **Maven** build java test scripts, and executed them in Jenkins build Production Environment
* Tested **Ecommerce** website involving Web, In-Store, Catalog, E-mail and Social modules
* Logging bugs and test status on **Rally** for project management and tracking.
* Used Firebug to select **CSS** selectors and **XPath** to identify UI elements.
* Used **AVD, ADB, LOGCAT, and DDMS** to test **android** application.
* Used **SQL** for data integrity testing, captured the **SQL** statements from the application execution and manually checked the results.
* Written **Unix** scripts to execute test scripts on batch process.

**Environment**: Selenium WebDriver, Apache HttpClient, Maven, Appium, Android, Rally, TestNG, JMeter, Ecommerce, Scrum, SQL, Java, GIT, UNIX.

**Philips HealthCare, San Mateo, CA Jan 2013-Apr 2014  
QA Engineer**

**Project – eCare Coordinator for eTrAC (Transition to Ambulatory Care) program**

**Description:** With the Philips eTrAC remote patient monitoring program, clinicians can monitor patients' vital signs, survey them about their health, and prioritize them for intervention without an in-person visit. The eCare Coordinator platform then provides a daily status review of patients who've been flagged, and sorts them into three severity levels: high, medium, and low. It also shows detailed patient charts, and key data such as patient contacts, clinical notes and surveys, and device assignments.

**Roles & Responsibilities:**

* Implemented Java based test suites using **TestNG.**
* Used **Java Collections, JDBC and Java.IO** for writing test scripts.
* Created datasheet formats for performing **Data Driven** testing.
* Written **TestNG** scripts for **Functional** and **Regression testing** purposes of modules.
* Experienced in Automated QA using **Selenium WebDriver, RESTAPI, SOAPUI, JUnit, TestNG, Maven** and **Jenkins.**
* Used core **JAVA** for writing **Selenium WebDriver** tests for the web application and **TestNG** framework.
* Automated the **Test Cases** using **Java, Eclipse and TestNG.**
* Generated, parsed and validated **JSON** and **XML** formatted data using Groovy Script that received in response from **REST** **API** calls.
* Added test cases using **Groovy script in SOAPUI** tool to test the **SOA** architecture web services.
* Created framework using **SOAPUI** to automate and validate Web Service **RESTAPI** calls.
* Set up **Jenkins, GIT, and Maven** to work together and provide a smooth continuous integration system.
* Designed and developed **Utility Classes in JAVA** to help speed up automation and data verification for **SOAP/API/XM**L responses.
* Tested **UNIX scripts** to automate the backup Procedures Proficient in trouble-shooting.
* Used **Firebug** to select **CSS** selectors **and XPath** to identify **UI** elements.
* Corporate **Web app testing, Localization, Regression, Load testing** with **JMeter**.
* Used **Rally** for Scrum Management, Task Management, Test Cases and Bugs.
* Created and executed **SQL** queries to validate the data, and used data manipulation language.

**Environment**: Selenium WebDriver, Java, Rest API, SOAPUI, JUnit, TestNG, Groovy script, Maven, Jenkins, HTML, Oracle, SQL, UNIX.

**J.C. Penny, Plano, TX July 2011 to Nov 2012**

**QA Analyst**

**Description**: JC Penny is one of the leading retailers in United States. JC Penny was upgrading its existing point-of-sale systems (POS) with IBM's most advanced, retail-hardened point-of-sale systems. This project aims at enhancing customer service, speeding checkout and adding new services that give JC Penny’s' customers a seamless shopping experience whether they are shopping in the store or online at JC Penny.com

**Roles & Responsibilities:**

* Used **Selenium** **WebDriver**, **Java**, **Jenkins** and **Selenium** **Grid** to create and execute automation scripts.
* Involved in extracting data from the database and injected it in **selenium** scripts to make dynamic Automation framework.
* Developed **Selenium** test scripts for identified test cases using Page Object Design Pattern.
* Setup the Automation framework using **Selenium WebDriver** and **TestNG** features to run test cases in multiple browsers and platforms.
* Performed **Java API** testing with **JUnit** automated tests
* Used **Selenium WebDriver** and **TestNG** to run the parallel testing.
* Created performance test scripts using **JMeter** to monitor response time and performance of the web application.
* Used **JMeter** for Preparation/review and execution of automated test scripts.
* Automation framework setup using **Selenium WebDriver** with Junit in **Eclipse** for Purchase Rewards **GUI**
* Helped in performance testing for **API** using **JMeter**, by writing and running the performance test, collect data, and generate reports.
* Testing the product, creating any defect and track any issues in **Rally**.
* Used **SOAPUI** for testing **SOAP** based **Web Services**
* Executing manual testing of key ecommerce business processes through website, ERP and WMS.
* Tested and improved the quality of the company ecommerce website for building shopping carts, tracking customer orders, checkout and payment processing.
* Created automation scripts in **SOAPUI** using Groovy Script for web services testing.
* Written shell scripts to execute test scripts on batch process.
* Helped in maintaining the existing regression suite using QTP/UFT.
* Automation of test cases using **QTP** and **VB script**.
* Used **SQL** for data integrity testing, captured the SQL statements from the application execution and manually checked the results.

**Environment**: Selenium WebDriver, Eclipse, SOAPUI, JUnit, TestNG, JMeter, Scrum methodology, SQL, Java, QTP, Shell Scripting

**Revenue Technology Services, Addison, TX June 2010 – May 2011**

**QA Analyst**

**Description:** Revenue Technology Services is a worldwide Total Solution Provider of profit enhancing software solutions and consulting services. RTS solutions provide airlines, cruise/ferry lines, and railroads with the most efficient method of asset management. The travel and transportation industry is faced with rapidly rising costs, changing customer needs and economic pressures. RTS helps enterprises leverage outsourcing as a strategy to gain competitive advantage by better managing and leading this transformation.

**Roles & Responsibilities:**

* Participated in requirement review sessions to gain the understanding of functionality and requirements of the Payroll service suite.
* Performed Functional, System Integration, and regression testing, participated in performance testing.
* Helped Automation team developing automation test scripts for both the system's core functionality and GUI's of the application, using **Quick Test Professional (QTP).**
* Created automation code using both VB scripting and Descriptive Programming in **QTP** for Data Driven and functionality testing, imported them in Database using Perl and executed them on client server application.
* Designed and developed complex set of **SQL** queries and sub queries for database testing.
* Reported defects in **Quality Center (QC)** and re-tested any fixed issues.

**Environment:** QTP, QC, SQL, windows.

**Educational Details:** Bachelor of Engineering (B.E.), INDIA