**Raja Sekhar Asapu**

**SUMMARY:**

* Over 8 years of experience in Application Development, Test Automation (Selenium and Cucumber), Web Based Testing, Mobile Application testing, Data Warehouse Testing, eCommerce application Testing, Web Services Testing
* Expertise in building the framework from scratch, creating automated scripts and framework using Selenium and Cucumber
* Expertise on multiple testing frameworks such as BDD, TDD, Junit, TestNG, and data driven framework
* Experience in DevOps using Git, Jenkins, Bamboo
* Experience working with different databases such as SQL, MongoDB, Cassandra and CouchDB
* Adept with docker and containers as well as AWS using S3
* Experience in implementing producers in Apache Kafka
* Hands on experience in developing front end using angular4, application layer using Spring Framework, Web Applications using Java EE components and webpages using HTML, java script and CSS
* Hands on experience in performing Functionality Testing, Integration Testing, System Testing, Regression Testing, Performance Testing, Data Migration Testing, Web Service Testing and UAT and Business-Flow testing
* Experience in Web Services Testing using Rest Assured and SOAP UI

**SKILLS:**

**Testing:** eCommerce Application Testing, Data warehouse Testing, Web service (SOAP-UI and, Parasoft SOA test) testing

Web Application testing

**Operating System:** Windows, Unix, Ubuntu

**Database/Database/ETL Tools**: SQL, MS Access, MYSQL, Mongo DB, Cassandra

**Defect Management Tools:** Mercury Quality Center, Code beamer, JIRA

**Languages:** C, C++, Java, HTML, Groovy, JavaScript, CSS, Python, C#

**Automation Tools:** Selenium, Cucumber

**Line of Business:** Retail, HealthCare, Finance, Oil & Petroleum

**Virtualization Tools:** Virtual box, Docker

**Frameworks:** Spring Framework, Angular 4

**PROFESSIONAL EXPERIENCE:**

**Hiscox Inc., Atlanta GA March 2019-Present**

**Sr. SDET**

**Project**: Self Service portal

Self Service portal allows agents to create insurance quotes for their customers and manage those quotes

**Responsibilities:**

* Designing automation framework
* Implementing Serenity Framework with java
* Implemented test data management using MongoDB
* Utilized jongo to insert objects into mongo
* Implementing Rest Web Services automation using Rest Assured io
* Perform database testing on Sql Server
* Peer review of the pull requests
* Maintenance of the builds on Bamboo
* Working with devops to build continuous integration
* Sprint Grooming of the stories with team and product owner
* Implementing Optimizations and improving reusability of the existing framework
* Using docker-compose to create selenium grid on the Azure linux server

**Environment:** Intellij, Confluence, Bitbucket, SourceTree, Bamboo, Serenity, Jongo, Docker, Selenium, Java, Sql, Mongo

**KForce Inc., Miami, FL August 2018-February 2019**

**Sr. SDET**

**Client: Royal Caribbean Limited**

**Project**: NCP

New Cruise Planer is a replacement project of existing planner application. It deals with creating of the products, reservations and booking of the products. It also deals with invoicing its vendors

**Responsibilities:**

* Designing automation framework
* Implementing UI automation with Selenium WebDriver in Java
* Implementing Rest Web Services automation using Rest Assured io
* Implementing Producers to test Apache Kafka topics
* Peer review of the pull requests
* Maintenance of the builds on Jenkins
* Working with devops to build continuous integration
* Sprint Grooming of the stories with team and product owner
* Implementing Optimizations and improving reusability of the existing framework
* Using docker-compose to orchestrate the containers
* Implementing arquillian to handle life cycle of the dockers

**Environment:** Intellij, Confluence, Bitbucket, SourceTree, Jenkins, Docker, Arquillian, Selenium, Java, Python, Apache Kafka, Couch DB

**World Fuel Service Corporation, Miami, FL November 2017-August 2018**

**Sr. Automation Engineer/Full Stack Developer**

**Project**: AP Matching

AP Matching deals with the comparison of the Accounts Payable and generate Accounts Receivables Invoices for the fuel transactions in Land, Marine and Aviation Segments

**Responsibilities:**

* Developing front end with Angular 4
* Developing application layer using Spring Framework
* Building projects on Bamboo
* Deploying application to Dev and Test environments
* Building automation framework from scratch
* Building the docker images
* Implementing arquillian scripts to run the docker images and create an environment
* Implementing BDD tests in Cucumber- gherkin
* Working with devops to team to build continuous integration and deployment
* Working with business analyst to understand the business logics
* Working with scrum master for sprint planning and defining the tasks
* Running the automated tests on bamboo
* Running the tests on test, dev and preprod environments using bamboo
* Fixing bugs in the automated tests
* Implementing data structures in the automation framework
* Reporting the results of automated test runs
* Implementing bash scripts to perform the build activities
* Developing Automation Framework using python and behave

**Environment:** Intellij, Stash, Confluence, Jira, Java, Bash Scripting, Groovy, Docker, Docker-Compose Arquillian, Arquillian –Cube, Bamboo, Amazon S3, JFrog Artifactory, Angular 4, Spring Framework, Python, Behave

**KForce Inc., Miami, FL January 2017-October 2017**

**Sr. Automation Engineer**

**Client: World Fuel Services**

**Project**: Enterprise Transformation

Enterprise transformation deals with building a common platform to perform the business activities and to utilize the data from other acquired companies of world fuel services

**Responsibilities:**

* Building automation framework from scratch
* Building the docker images
* Implementing arquillian scripts to run the docker images and create an environment
* Implementing BDD tests in Cucumber- gherkin
* Working with devops to team to build continuous integration and deployment
* Working with business analyst to understand the business logics
* Working with scrum master for sprint planning and defining the tasks
* Running the automated tests on bamboo
* Running the tests on test, dev and preprod environments using bamboo
* Fixing bugs in the automated tests
* Implementing data structures in the automation framework
* Reporting the results of automated test runs
* Implementing bash scripts to perform the build activities

**Environment:** Intellij, Stash, Confluence, Jira, Java, Bash Scripting, Groovy, Docker, Docker-Compose, Arquillian, Arquillian –Cube, Bamboo, Amazon S3, JFrog Artifactory

**Magenic Technologies, St.Louis Park, MN August 2016-December 2016**

**Sr. Automation Engineer**

**Advisor(SIA)**

**Project**: Schwab Intelligent

It is a website to assist the clients with investment management

**Responsibilities**:

* To design test cases and test strategy
* To automate the REST and SOAP web services tests
* To design the automation framework
* To perform test automation for the UI layer
* Implement logging into the automated tests
* Reporting of the automated test runs
* To log the status and defects using JIRA
* Document the automated framework structure in Confluence
* Design interface layer to compare the results from services to database records

**Environment:** C#, Visual Studio, Team Foundation Server, Git, Confluence, JIRA, MongoDB, Robo Mongo, ParaSoft SOA Test, Java, Source Tree, Jenkins

**Octahedron Inc., Medtronic, Inc., Fridley, MN October 2015-July 2016**

**Automation Engineer**

**Client: Medtronic, Inc., MN,USA**

**Project** :Tango

Tango is an android application which is used to perform neurostimulation for the patient. It is developed to replace the legacy devices used to perform neuro stimulation. It follows the Test Driven Development framework. Tests are automated using the Behavior Driven Development framework

**Responsibilities:**

* Creation of the Automated Test Scripts using Cucumber framework. Test implementation is done using java and groovy
* Review of the gherkin scripts
* Running the tests on Jenkins
* Page Objects are built as part of the framework
* Analyzing business advantages by the requirement
* Git is used as the Version control tool
* Web framework is used to have better control over the test objects
* Design of tests for the Nonfunctional requirements
* Involved in Functional Testing, Nonfunctional testing, UI Testing and User Acceptance Testing
* RESTful Web services are tested using the test interface built
* Scripts are developed for the integration testing
* Tracking of the tasks using code beamer
* Appium is used to run the automated tests on the android application
* Zen is used as the interface to manage power for the devices and the scripts are written in python to handle it

**Environment:** Intellij, ADB commands, Geb framework, Jenkins, Java, Groovy, Cucumber framework, Code beamer

**Tata Consultancy Services, Target, Minneapolis, MN May 2015-September2015**

**Sr.QA analyst/Automation Engineer**

**Client :Target Corporation, MN,USA**

**Project**: Direct to Guest –D2G

Direct to Guest is a channel where the Online orders are shipped from nearest fulfillment centers. When a customer places an order, it would be assigned to a fulfillment center based on the calculation of the shipping cost and delivery period metrics. Fulfillment centers serves the online orders. To fasten the processing of orders a part of the distribution centers is reserved for the online orders which is referred to as fulfillment zone. In addition to the existing distribution centers, Target has tied up with third party distribution centers to fulfill higher volumes of online orders with lesser cost

**Responsibilities:**

* Analysis of the requirements and their impacts on the system
* Creation of Automated Scripts for the Test Cases using Selenium Webdriver
* Used Test NG Framework to run the tests on different browsers
* Used Page Object Model for creating automated scripts
* Analyzing business advantages by the requirement
* Design of the Test Strategy within the defined timelines
* Involved in Functional Testing, Regression Testing, Sanity Testing, Database Testing/Back-end testing, Black-box testing, UI Testing, Cross Browser testing and User Acceptance Testing
* Preparation of Requirement Traceability Matrix
* Validation of the Orders in the eStore and downstream systems
* RESTful Webservices are tested using postman client plugin
* Involved in Unit Testing as well using Junit Framework
* Interacting with Third Party Services to process the orders

**Environment:** Sterling Order Management System, Sql developer, eStore website, Selenium Webdriver, Eclipse IDE

**Tata Consultancy Services, Target, Minneapolis, MN March 2015-April 2015**

**Sr.QA analyst/Automation Engineer**

**Client: Target Corporation, MN**

**Project**: Product Life Cycle -PLM

Product Life Cycle is a system which tracks the life of an apparel in Target Corporation. Vendors register at the Vendor Management System providing their capability to produce an apparel with the details of the origin of the good and description of the quality of the apparel. Once the Vendor registers with an item, it would be reviewed at the Business Process Management System. Experts at the Target review the description and the product quality from the vendor and approves him if he meets the Target requirements. Once the items from a vendor is approved

those details would be fed to the Product Life Cycle Management System. It takes the analyzes of the quantity of the item brought from the vendor and the sales happened at the different stores. It also takes the patterns in a year for an item and generates the analysis graphs. Based on this analysis the Target business team will decide the quantity of the product to be imported in a year indicating through a graph pattern.

**Responsibilities:**

* Creation of Automated Scripts for the Test Cases using Selenium Webdriver
* Preparation and Execution of Test cases for System Testing
* Used Test NG Framework to run the tests on different browsers
* Preparation and Execution of Regression test suite
* Co-ordination with other testing teams in SIT/E2Etesting
* Execution of End2EndScenarios
* Defect Logging and Tracking
* Used SOAP UI to test SOA requests.
* Involved in Unit Testing as well using Junit Framework
* Maintaining RCA for defects in SIT phase 1 & 2, Regression and UAT

**Environment:** Vendor Management System, Business Partner Management System, Product Life Cycle Management, Selenium, Eclipse IDE, SQL Dev eloper, SOAPUI, EclipseIDE, Selenium Webdriver

**Tata Consultancy Services, Target, Minneapolis, MN October 2014-May 2015**

**QA analyst/Automation Engineer**

**Client: Target Corporation, MN**

**Project**: Work Force Analytics -WFAN

Work Force Analytics is a data warehouse which holds the data from the Work Force Management tool. It is a system which has the data of the team members in the target with their schedules and working hours. It has all the data related to the work force management from forecast for a particular store to amount paid for each team member. It will be used by the reporting tools for generating patterns. Based on the pattern each store would be scheduled with the team members at a particular time. It holds the historical data of the team members. It is built using Fact Constellation Schema. It has many Fact and dimension tables which gets data from the staging tables associated with the Work Force management database. Views are built based on the reporting needs from the Fact and dimension tables

**Responsibilities:**

* Creation of Executable Jar applications to perform search and purge operations in Java
* Creation of Automated Scripts for the Test Cases using Selenium Webdriver
* Used Test NG Framework to run the tests on different browsers
* Used Data Driven Framework in the automated scripts
* Preparation and Execution of Test cases for System Testing
* RESTful Webservices are tested using postman client plugin
* Preparation and Execution of Regression test suite
* Co-ordination with other testing teams in SIT/E2Etesting
* Execution of End2EndScenarios
* Defect Logging and Tracking
* Maintaining RCA for defects in SIT phase 1 & 2, Regression and UAT
* Provided support during implementation.
* Preparation of End to End flow diagram for WFAN
* Involved in Unit Testing as well using Junit Framework
* InitiatedUserManualguideforKronosandWFANprojectandcoordinatingteam to successfully completed those
* XMLs of the transactions are validated to validate the communication protocol
* Creation of SQL scripts and PL/SQL programs

**Environment:** Kronos Work Force Management, PeopleSoft, SQL developer, Eclipse IDE, Selenium Webdriver

**Tata Consultancy Services, TCS, Chennai, INDIA July 2012-September 2014**

**QA analyst**

**Client: Target Corporation, MN**

**Project**: Work Force Management -WFM

WFM - Workforce management (WFM) is an integrated set of processes that an institution uses to optimize the productivity of its employees on the individual, departmental, and entity-wide levels. Kronos is the tool which is used to manage the functionalities in the Work Force Management. It has the functionalities from forecasting workforce for a particular store to paying a team member based on the hours worked and rules of a particular state. It has the modules such as Time &Labor, Scheduling, Forecasting and Interfaces to implement the work force management processes. We build a customized view for the Kronos application based on the Target requirement grouping the functionalities that are used by the Target. Security for the system through the different roles in Target with the different access levels

**Responsibilities:**

* Creation of Executable Jar applications to perform search and purge operations in Java
* Creation of Automated Scripts for the Test Cases using Selenium Webdriver
* Preparation and Execution of Test cases for System Testing
* Preparation and Execution of Regression test suite
* Co-ordination with other testing teams in SIT/E2Etesting
* Execution of End2EndScenarios
* Defect Logging and Tracking
* Maintaining RCA for defects in all SIT phase, Regression and UAT
* Provided support during implementation
* Preparation of End to End flow diagram for WFM
* Used HTML to create reporting pages
* XMLs of the transactions are validated to validate the communication protocol
* InitiatedUserManualguideforKronosandWFMprojectandcoordinatingteam to successfully completed those

**Environment:** Kronos Work Force Management System, PeopleSoft, SQL developer, Eclipse IDE, Selenium, Sql, HP QC

**TCS, Chennai, INDIA September 2011-June 2012**

**Java Developer**

**Project**: Online Test Administration Tool

Online Test Taking System is a web-based application in which students can write the tests and gain knowledge from it. It is an online tool which is used to upload a test by a person and make that available to a certain group of students. It has three modules which are Administration system, Test Management System and Report Generation System. I worked as the module lead for Administration System where we provide the options for the students and teachers to enroll. We have an admin role which controls the access levels of the teachers and students. Teacher is the person who uploads the test and Student is the one who takes it. A user can be teacher for a particular course and student for the another. A user has the access to edit the Test uploaded by him and student is allowed to comment on the test which would be assigned to teacher for clarifications

**Responsibilities**:

* Design of the Online Test Management Tool with the dependencies from the other modules
* Creation of the relational database architecture
* Implementing a design pattern
* Developing of administration module
* Creation of the tables in the Oracle database using SQL scripts
* Used JSP and HTML to design front end
* Used Servlets for the Server-side communication and to communicate with database
* JDBC is used for the Database connectivity
* Implemented in MVC architecture
* Granting Access privileges for editing and viewing details of users at the database level
* Performing Unit testing
* Defect fixing and providing the builds
* Managed Releases using the version control tool (SVN)

**Environment:** Eclipse IDE, Apache Tomcat 5.5.0, JSP, Servlets, CSS, HTML, Oracle XE.

**Internship at Symbiosis Technologies, Vizag, INDIA May 2011-August 2011**

**Project**: Parking System

Parking System is a parking management software. It works by defining the available slots for parking. For every vehicle which enters the parking zone, a parking slip is provided with the timestamp on it. A dashboard is displayed in the software which shows the available parking slots. Upon generation of the parking slip a slot would be decremented from the dashboard. Each user of the parking space is provided with an option to enroll for the monthly subscription, Hourly subscription and weekly subscription. Based on the subscription charges would be calculated accordingly. We have used the concept of Internal Frames from the Swing for the parallel processing of the subscriptions. The plot of the parking zone would be configured as input to the parking system which takes the parking lot size and assigns the parking slot for a vehicle accordingly

**Responsibilities:**

* Design of the Parking System application
* Development of the dashboard module and registration modules
* Designing of the database components and their dependencies using Entity relationship diagram
* Used print package to generate the parking slot slip
* Managing the code builds using SVN
* Used Swing Framework to design the User Interface
* Used Action Listeners to communicate the actions
* Used Oracle XE as the back end to store the information
* Used Internal Frames Concept for parallel processing of the transactions for the users

**Environment:** NetBeans IDE, Java Swing, JDBC, Oracle XE.

**JNTU University Academic project November 2010-April 2011**

**Java Developer**

**Project**: College Administration Software

College Administration is management tool which stores the data of the students score details and produces grades according to the rules defined. It provides analysis for each student based on the scores in the subject and suggests a feedback from the already stored statements. It develops the Timetables for the teachers and maximizes the utilization of them by assigning them to take sessions to the weaker students from a class when they have leisure hours

**Responsibilities:**

* Collecting the requirements from the College Administration
* Design of the College Administration
* Technologies to be used
* Feasibility analysis with the existing resources
* Estimation of the timelines of development, Testing and deployment
* Development of the modules
* Managing the team and progress
* Unit Testing, System Testing and Integration Testing of the code
* Deployment of the code in the College Infrastructure
* Fixing of the real time issues
* Training of the College Staff on using the software
* Preparation of the documentation for the software
* Design and development of the database modules
* Used Swing Frame work to design the User Interface
* Used Action Listeners to communicate the actions
* Used Oracle XE as the back end to store the information

**Environment:** NetBeans IDE, HTML, CSS, Java Script, Java, JDBC, Oracle XE, Swing

**EDUCATION:**

Bachelor of Technology in Information Technology

**CERTIFICATIONS:**

Sun Certified Java Programmer

OCA-Paper1 – Introduction to SQL

Scrum Master Certification

**OTHERS:**

**Awards:**

Star of the Month for the work in data warehouse testing

Kudos award for developing a User Management Web Application