***Venu Jaganadham***

***Sr. SDET***

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**PROFESSIONAL SUMMARY**

* Over 13+ years of experience as a Quality Assurance Professional in both **Automation** and **Manual**
* Proficient in automation tools such as **Selenium**, **Cucumber**, **Cypress, JMeter, UFT and Tosca tools**
* Expertise in developing and executing the automated test cases using **Selenium Web Driver, Cucumber, Rest Assured and Cypress**
* Good exposure in using the test automation tools for **Web/UI Regression testing, Integration testing, API testing, ETL Testing, Database testing and Performance testing**
* Having great work experience on Banking, Life Sciences, Supply Chain Management, Healthcare, Aviation, and Insurance business applications
* Extensive experience on testing Web based, Mobile, Sales force, AEM, Windows, Pega and Mainframe applications
* Strong hands-on experience and very good understanding of **Agile(Scrum)**, **Kanban** and **Waterfall**, methodologies
* Good exposure on programming languages like **Java, Java Script, Python and VB Script**
* Strong hands on experience on **API automation** using **Rest Assured**
* Great experience in automating the database validations for **DB2, Orcale and SQL Server**
* Strong experience in **ETL/Data warehouse testing** using DB2, Couchbase & Apache Kafka
* Expert in developing test Scripts for **BDD** and **TDD** approachesusing Cucumber and Selenium
* Experienced in developing and maintaining Test Automation Frameworks such as **Page Object Model, Keyword Driven**, **Data-Driven**, and **Hybrid frameworks**
* Great exposure in performing Functional, Integration, Database, API/Web Services, Regression, Load/Stress and User Acceptance Testing
* Expertise in developing Test Plans, Test Scenarios, Test Cases, Test Scripts for Manual and Automation Testing
* Strong Knowledge and hands-on experience in **Web Services testing** using **Postman** tool
* Expertise in developing performance test packs to perform **Load**, **Stress** and **Soak testing** using **JMeter** tool
* Master in preparing the Test Evidences, Test Closure Reports and Executive summary reports
* Expertise in **Cross-Browser Testing** and **Compatibility Testing** to check the behaviour with different browsers and in different environments
* Expertise in testing applications on real **Mobile devices** on **Android** and **iOS** platforms
* Performed and compared the application compatibility on both browser and real mobile devices
* Experience in working with build tools like **Git**, **GitHub**, **Bitbucket**, **Maven**, and **Jenkins**
* Expertise in Continuous Integrations and Continuous Deployment (**CI/CD**) using Jenkins in combination with Build management tool **Maven**
* Experience in working on Linux and Windows platforms
* Good exposure in Bug tracking tools **Jira, Rally, ALM** and **IBM ClearQuest**
* Effective in communicating the critical issues or challenges in all the phases of testing
* Experience in organizing project meetings, QA status meetings and daily stand-up meetings
* Expertise in preparing and maintaining the testing guidelines, best practises, structured operating procedures in **Confluence** pages to improve the quality of deliverables
* Excellent in co-ordinating the testing team with Business Analysts, Product Owners, Developers, and Support teams to promote successful delivery of products and services
* Experienced in organizing and managing the Onsite and Offshore testing teams in different time zones
* Well experienced in leading large size QA team members with timely deliverables in critical projects
* Accomplished major testing projects with zero escalations as a team and also as an individual contributor by showcasing the proven capabilities and skills that acquired through the years

**TECHNICAL SKILLS**

* **Testing Tools**: Selenium WebDriver, Cucumber, Cypress, Rest Assured, TestNG , JMeter, Postman, Appium, UFT, and Auto IT
* **Programming**: Java, Java Script, Python and VB Script
* **Defect Tracking Tools**: Jira, Confluence, Rally, ALM and IBM Clear Quest
* **Build CFG/CI/CD Tools**: Maven, Jenkins, SVN, Git, GitHub, Bitbucket and Jupiter Notebook
* **Testing Frameworks**: BDD/TDD, Page Object Model (POM), Data Driven, Keyword Driven and Hybrid
* **Project Methodologies**: Agile, Kanban and Waterfall
* **Databases**: Oracle, DB2 and SQL Server
* **ETL Tools**: Apache Storm, Apache Kafka & Couchbase
* **Cloud Computing**: AWS
* **Othes:** Splunk, Windows OS, Android, iOS and Linux

**EDUCATIONDETAILS**

Masters in Computer Applications (MCA) - SV University, India - 2008

Bachelors in Mathematics & Science (B.Sc) - SV University, India - 2005

**PROFESSIONAL EXPERIENCE**

**Supreme Court of Virginia April 2023 – till date**

**Role: Sr. SDET**

* Responsible in create and customize the automation frameworks that is required for the projects
* Develop the automated tests using Selenium, Cucumber and Rest Assured using Java programming
* Responsible in managing the Code repository, updating Maven dependencies, Test Environment setup, Test Data preparation and deploying the latest automation code into CI/CD pipeline
* Execute the automated tests as part of Smoke, Integration, API testing and Regression testing
* Implement API test automation using Rest Assured tool and integrate with Selenium to achieve an end-to-end automation
* Develop and execute the performance tests using JMeter tool to measure the system performance with Normal and Stressed loads by replicating in production like environment
* Analyze the automated test reports and create defects for the real functional failures
* Verify the Apache Storm, Apache Kafka logs during the analysis of automation failures in test environments
* Verify the Splunk logs during the analysis of automation failures in higher environments
* Improve the scalability of the tests and fix the failures that are caused by synchronous issues and dynamic elements
* Write SQL queries with joins to test the data flow among DB2, Apache Kafka and Couch base systems
* Validate the field mapping between Source and target systems, business rules, data transformation logics and replication during the ETL data processing
* Feed the data to source system and ensure the scheduled ETL batch jobs are replicating the data into target system
* Run and validate the Daily/Bulk automated ETL data comparison and healing jobs to correct the data
* Prepare the test plan, test summary report, defect report and test closure report, get them reviewed with Delivery Lead before QA sign-off
* Update the Regression test suite with in-sprint automated cases and get them reviewed with Business Analysts
* Revisit and update the traceability matrix for every release and notify the Business
* Work with DB support team and Dev-Ops team to prepare the test data, run the dependant batch jobs, setting up the test environment for both test automation and performance tests
* Involve in internal code reviews, sharing the feedback and approving the pull requests
* Creating proof of concepts for new automation projects with new tools and technologies
* Document and maintain the Automation setup guide, best practices, challenges, areas to improve in terms of automation test failures and capturing the aging of failures
* Participate in Sprint Planning, Daily scrum calls, Sprint Review, Retrospective and Backlog Refinement meetings

**Environment:** Selenium Web Driver, Java, Cucumber, Rest Assured, JMeter, Postman, BDD, DB2, Couchbase, Splunk, Apache Kafka, Squirrel Client, Apache Strom, Jira and Confluence

**Standard Chartered Bank Mar 2021 – Mar 2023**

**Role: Sr. SDET**

* Prepared the Test Plan, Test Scenarios, Test Cases and Test Closure reports
* Developed and managed the test automation frameworks using Selenium with Cucumber and Cypress tools
* Developed and executed end to end test cases using Selenium and Cucumber
* Designed Regression test cases related to UI using Cypress tool
* Performed Web services testing to validate the integration between upstream and downstream systems using Selenium and Postman tools
* Validated the Oracle database for all the create and update operations also, prepared the test data using the database and validated the application on AWS platforms
* Designed and developed performance test pack to measure the performance of the applications using JMeter
* Involved in all stages of testing such as understanding the requirements, test case design, execution, defect reporting and publish test results
* Ensured the application is tested and defect free in all the testing phases Functional, Integration, Regression and Performance testing
* Prepared the automated regression test cases and executed using Jenkins CI/CD pipeline
* Reviewed the automated regression test cases and ensure the test pack updated with n-1 sprint changes
* Responsible to perform System Integration and Acceptance testing before promoting the changes into Release build
* Identified and reported the bugs in Jira and co-ordinated with development team to close the defects on priority
* Worked closely with Business Analysts, Product owners, Development team and Support teams on regular basis to understand functional, technical specifications
* Prepared and maintained the testing guidelines, best practises, structured operating procedures in Confluence pages to improve the quality of deliverables
* Facilitated the testing team with required functional, technical support and mentor them to follow the best testing approaches and techniques
* Organized the team and provide testing support for any ad-hoc requirements and ensure all the committed testing activities are delivered without delay

**Environment:** Selenium Web Driver, Java, Cucumber, Cypress, JMeter, Postman,BDD, AWS, Java Script, NodeJS, Oracle, Swagger, Rest Assured, SQL Developer, REST, Load balancers, Docker, API Gateway,IntelliJ, Jira, Confluence,and Agile Methodology

**Abbott, Bangalore, India Oct 2018 – Mar 2021 Role: SDET**

* Responsible to develop comprehensive Test Plan, Strategy, and Test Estimations
* Facilitated the required Functional specifications, Process Flows, User Stories, and SDD to the team members to create Functional Test cases
* Developed and executed the Smoke, Functional, Regression and User Acceptance test cases
* Expertise in validating AEM application with Authoring the content, Publishing the content & Dispatcher
* Tested AEM application on different devices, browsers and platforms using exploratory techniques
* Implemented automated test cases using Selenium, Java and triggered the automated tests using Jenkins
* Defined the process for Test Case Creation, Review, Test Data Preparation, Test Execution, Defect creation, and Defect Retesting
* Tracked and maintained test cases, and reported defects in Jira to bring that to closure
* Developed test cases to perform web services testing using Postman tool and Rest Assured
* Hosted the touch base calls with BAs and Product Owners to fill the gaps or clarify the team’s functional doubts on the requirements
* Lead and coordinating the team on various testing phases Sanity testing, Functional testing, Integration testing, Regression testing, and User Acceptance testing
* Guided and trained the teams on how to handle the bottleneck situations, handling the stakeholders, interacting with development teams and dependent vendor teams
* Managed the daily touch base calls with BA & Development teams to prioritize the defect fixes based on the impact of testing and delivery schedule
* Collated the Test Results, Evidence and Defect report and share it with Leadership and Stake Holders throughout the test cycle
* Handled the Jira dashboards for the defects created in all phases of testing and oversee the defect burn down to track the progress on defect fixing
* Mobilized and engaged the team for the ad-hoc tasks and extended testing support expected from business and development team to expedite the testing deliverables

**Environment**: AEM, NodeJS, Java, Selenium, Cucumber, Tosca, BDD, Python, Eclipse, Maven, Jenkins, AWS, Rest Assured, JMeter, GIT, JIRA, Postman, Tosca, TestNG, Junit, Agile (SCRUM), Windows OS and iOS

**General Electric, Atlanta, USA Jun 2016 – Sep 2018**

**Role: Automation Test Lead**

* Involved in gathering functional specifications and prepared requirement documents to cover end to end business workflows as per specifications
* Converted complex business requirements into user stories using agile tools Rally, Jira and Kanban board
* Responsible for developing test plan, test strategy, test methodology, test scenario, test case and test script for execution
* Evaluated the testing tools which is the best fit for business requirements and prepare the test automation frameworks which are Data-Driven, Keyword Driven, Hybrid and Page Object Model
* Designed automated test scripts using open-source tools Selenium Web Driver, Cucumber using Java programming language and OOPs concepts
* Responsible in setting up the test environment with appropriate code base for test execution using GIT Repository, Maven (Build Management tool) and Jenkins (Continuous Integration and Continuous Deployment tool)
* Conducted Smoke, Sanity, Functional, Integration and Regression testing on both Web and Mobile applications
* Performed Cross-Browser and Compatibility Testing to validate the application behaviour with different browsers and in different environments
* Responsible to perform Database Testing using Oracle PL/SQL, PostgreSQL, also Web Services testing using Postman tool
* Created bugs in the defect tool for the test failures and work with the development team for the closure and responsible in documenting test results from Selenium extent reports, TestNG reports and Html reports
* Provided organizational, problem-solving and operational support to developmentand production support team for testing bug fixes in the production environment

**Environment**: Selenium WebDriver, JIRA, Rally, Jenkins, Java, ALM, Eclipse, Junit, GIT, Maven, Cucumber, HTML5, CSS, Oracle, SVN, Selenium Grid, PL/SQL, TestNG and MS-office

**General Electric, Bangalore, India Jul 2013 – May 2016**

**Role: Automation Test Lead**

* Responsible for preparation of Test progress reports, analysis of defect metrics & implement improvement actions for next iterations
* Performed different testing task using various test scripts on Selenium WebDriver and TestNG
* Developed test code in Java language using Eclipse, IDE and TestNG framework
* Involved in designing and implementing of hybrid automation framework to be used with Selenium WebDriver
* Used Java language and TestNG framework for scripting. Used Maven for building the WebDriver project
* Integrated with Continuous Integration tools Jenkins for running test on nightly basis automatically
* Designed and executed the Automation Test Scripts using Selenium WebDriver and TestNG
* Extensively worked on Selenium WebDriver with the preferred Language as Java
* Used Selenium WebDriver and TestNG to run the parallel testing
* Closely involved with development team, maintenance team and business team regarding changing requirements, builds and releases
* As part of compatibility testing, executed the workflow manager web application related test cases on different browsers different Operating Systems
* Coordinated with developers and record defects in JIRA to track until they are resolved
* Reviewed and showcased value adds to product owners and customers provided by the team
* Assisted/mentored the team in various STLC phases as required to complete the task
* Worked in an agile environment with frequently changing requirements and features set
* Prepared Test Plans, Test Scripts and Test Cases based on functional specifications and user requirements
* Perform responsibilities of developing test scripts by using SOA test tools
* Designed test cases based on the use-cases and the complex business logic defined for each web-service or a message
* Used Git as code repository and Code Collaborator to manage code reviews
* Performed Back-End Testing, database table manipulations of relational database systems by writing complex SQL queries manually
* Participated in QA weekly meetings and various other meetings and discussed Enhancement and Modification Request issues and defects in the application

**Environment**: Selenium WebDriver, Java, UFT, ALM, VB Script, Jenkins, CI/CD, Cucumber, Maven, GIT, Eclipse, JMeter, Postman, TestNG, Page Object Model (POM), Agile, SQL and Windows

**Express Scripts, Bangalore, India Jan 2010 – Jun 2013**

**Role: Java Developer / QA Engineer**

* Analysed functional requirements to business objectives
* Developed technical designs for application development
* Developed application code for Java programs and executed unit test plans
* Identified technical gaps to fine tune and optimize the non-production and production applications
* Supported with test data creation for formal testing and resolved the defects
* Prepared and supported releases with all the process documents
* Implemented continuous improvement, investigating alternatives and technologies wherever required
* Contributed to all stages of software development cycle and provide direct support to development manager
* Designed automated test scripts in Keyword Driven framework using VB Script in QTP tool
* Involved in converting the critical business functionality into Reusable library files
* Crated Shared Object Repositories and to use the objects across regression test suite
* Created Environmental variables to use it as common variables across test suite
* Executed the automated scripts and analysed the test results
* Responsible in logging the defects in ALM after analysing the test results

**Environment**: Java, OOPs Concepts, Html, CSS, Java Script, jQuery, Spring, RESTful web services, UFT (QTP), ALM (Quality Centre), VB Script, Keyword Driven framework, Data Tables, SQL, GWT, Html, XML, MS Excel and Windows