**Manogna Challa**

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**SUMMARY**

* Dynamic and result oriented professional with over 9+ years of experience in the IT industry with emphasis in Quality Assurance (QA) and Software Development Lifecycle (SDLC)
* Extensive work experience in all stages of STLC & expertise in Functional & Regression Testing methods for Mainframe & Web based applications in SIT and UAT phases.
* Strong hands - on knowledge in software models: Waterfall and V Model. Very good understanding of Agile (Scrum) methodology
* Proficient cross domain work experience in domains such as Banking (Consumer & Small Business Banking, Private Wealth Management), Capital Markets, Health Insurance, and Telecom in complex functional testing engagements
* Comprehensive knowledge of Corporate Tax and Online Banking in the Banking domain
* Extensive hands-on experience in test automation of web applications using Selenium IDE & Web Driver in Windows (Java/J2EE) environment
* Expertise in writing automated test using Selenium and Java.
* Experience analyzing and documenting project scope documents and SOWs, project plan, project/requirement change request forms, BRD, FRD, SDD, requirement traceability matrix, use cases/sequence diagrams, UML, wire mock/mock-ups, end user documentation and BPM notations\Designed & Develop data driven framework using Selenium WebDriver, TestNG and Apache POI API.
* Quality Assurance and Software Testing experience involving complex client/server and web-based applications. Executing test cases, ad-hoc product testing, reporting bugs and reporting tester status, writing test scripts, test automation using diverse testing tools like Quality Centre.
* Experience in Writing and Executing the Test cases, analyzing the Test results and Defects Tracking.
* Expert in Functionality Testing, Smoke Testing, Regression Testing, System Testing, Black Box Testing, Integration Testing, User Acceptance Testing (UAT), Ad-Hoc Testing.
* Experience testing SOA with RESTful/SOAP Web Services. Created entire architecture for backend testing internal and third-party API using Test Complete and SOAP UI.
* Excellent knowledge in writing unique XPath using firebug and fire path to identify web elements.
* Expertise in documenting defects with high level of detail, accuracy, and informative recreation steps using Quality Centre, JIRA, IBM Clear Quest, Bugzilla etc.
* Performed API Testing by using REST Assured library in Java and Spring boot.
* Execution of manual API Testing using Postman.
* Experience in using Selenium Webdriver, Eclipse, Java and TestNG, test frameworks in creating test scripts, test suites and HTML reports.
* Experience in documentation of Java Script/ Test Cases in MS Excel and MS Word.
* Created cypress projects in command line and pushed to Bit bucket repository to manage code.
* Designed and implemented test frameworks, in C and C++, to test individual application subsystems.
* Experienced in Mobile Testing using tools like Appium, Splendored, UI Automator.
* Extensive experience in Writing API, REST API and SOAP automation test cases.
* Experience in functional testing, integration testing, regression testing, GUI testing, system, Regression, integration, AP
* Proficient in designing, reviewing and documenting system test plans, defining test procedures and creating test cases on the basis of product releases features, client’s requirements and related technical documents.
* Tested a new software made for automobiles while working in General Motors.
* Possess strong technical aptitude with strong analytical, problem solving and communication skills.
* An effective communicator, committed team player, quick learner and rapid problem solver with commitment and a strong work ethic and ability to quickly adapt to new environments.
* Practical hands-on experience in different automation frameworks like Page Object Model Framework, Test NG Framework, Keyword Driven Framework, Data Driven Framework, and Hybrid Framework for a number of projects.
* Expertise in writing Selenium Webdriver automation scripts in Java for Cross browser testing.
* Expertise in manual testing includes Requirements Analysis, writing Test plans, Test Cases, and Requirements Traceability Matrix.
* Performed Regression testing for new builds and every modification in the application using Selenium WebDriver.
* Developed Automation Scripts for Regression using Selenium Web Driver and Java.
* Worked on Integration of Selenium RC/WebDriver with existing API to test Framework
* Experience in identifying object locators and creating Xpath using Fire-bug. Knowledge working with Apache POI Library, JUnit, and Testing
* Good experience working with VB Script and automation tools: Quick Test Professional (QTP) and AXE. And, expertise in Data driven and Keyword driven frameworks
* Proficient in documentation of deliverables in testing process (Test Plan, Test Scripts, Test Summary, Defects in HP Quality Centre/ALM & JIRA, Status Reports, and best practices in Testing)
* Strong development skills using C and Java/J2EE
* Good experience in Back End testing using SQL queries and Cross Browser Testing
* Good knowledge on current industry trends and proven ability with great analytical & problem-solving skills.

**TECHNICAL SKILLS**:

* **Testing Tools**: Selenium IDE, Selenium WebDriver, Eclipse, Maven, TFS - Coded UI, SQL Server, Visual Studios 2005/ 2008/ 2010, Appium, Perfecto, Katalon
* **Bug Reporting Tools**: Quality Center, Clear Quest, Rally
* **Requirement Management Tools**: QC (ALM), Test Director, WinRunner, Microsoft Test Manager, Mercury Quality Center
* **Operating System**: Windows 7/XP/2000, UNIX Linux
* **Virtualization**: VMware, Docker, Kubernetes
* **Project Methodologies**: SDLC, Agile Scrum, Waterfall, V-Module
* **Languages**: SQL, Core Java, J2EE, Python, C+ C#
* **Database**: Oracle, SQL server, PLSQL
* **Web Technologies**: HTML, XML, XHTML, DHTML, Java, Python, JavaScript, SOAP UI
* **Frame works**: Ajax, Struts 1.1/1.0/2.3, Spring 2.0, Hibernate 2.1,3.1
* **App Servers**: Apache Tomcat 7, JBoss, Liferay portal
* **Build Tools**: Ant 1.6x, Maven, TestNG, Protractor

**PROFESSIONAL EXPERIENCE**

**Fidelity Investments, Westlake, TX** **Nov 2022 - Present**

**Automation Engineer**

* Analysing the requirements, creating the test plans and test cases and documenting the results.
* Proven experience in Functional Testing, UAT, Integration testing, System testing, Exception testing
* Collaborated with product owners in an agile environment to develop a comprehensive set of tests for web applications and reporting applications.
* Configured and monitored the CICD pipelines using Bamboo and bitbucket
* Configured Katalon Studio, Selenium Webdriver r, TestNG, Maven tool and created Selenium scripts in Java using TestNG prior to agile release
* Created selenium automation scripts using Python and java, Implemented Page Object Model framework with Python and Selenium
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Jenkins. Implemented a Continuous Delivery pipeline with Jenkins and GitHub
* Worked on Chaos Testing using Chaos buffet, Jenkins and MOX performance testing application
* Created X-ray test cases to track the test results in JIRA
* Spearheaded the implementation of Cypress as the primary end-to-end testing framework for web applications.
* Analysing the stored procedures and creating the functional test cases for SQL testing
* Creating sample data and Executing the Informatica jobs to perform end to end testing
* Testing various BI Reports by generating them manually and validating the results with corresponding SQL results.
* Tested application compatibility for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Developed automated script for back-end testing using Selenium RC.
* Maintained Test Matrix and Project Matrix using an excel sheet to keep track of the Project's schedule and status.
* Familiarity with UAT for making website more user-friendly and for web-applications.
* Involved in writing SQL Queries for backend testing, conducted backend testing using SQL queries to validate data for database and Used SQL queries for retrieving data from database for executing user specific test cases.
* Knowledge of writing Junit tests using Junit framework.
* Responsible for implementation of Hybrid Test Automation Framework build using Selenium WebDriver, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches
* Identified automation requirements & design automation framework, scripts in Selenium (WebDriver) integration with Jenkins/CI, code reviews, and scripts execution thru Grid (hub/nodes) on remote clients.
* Executed test data and regression tests scripts after a release to ensure system is functioning properly and no new issues have arisen and provided daily status updates to the respective track leads.
* Designed and developed new C++ modules for sending open contracts to Equalled for reaching price agreement with counterparties. experience designing and deploying large scale distributed data
* Involved and responsible for creating Daily and weekly status reports regarding the progress of testing process.
* Proven experience in Testing API Web Services using REST Assured
* Extensively used Selenium (XPath and CSS locators) to test the web application.
* The entire Ruby scripting done using Cucumber framework Wrote and executed SQL queries to verify the data updates to various tables and ensure data integrity.
* Conducted code reviews and mentored team members in Cypress best practices.
* Develop and maintain automated tests using Python and Selenium Behave framework.
* Developed test cases and test scripts using BSD in order to perform the complete testing of the application.
* Developed automated Data Driven scripts to perform negative and positive testing of an application by providing different data.
* Automate regression testing using hybrid framework i.e., both data driven & keyword driven using Selenium Web Driver.
* Integrated with Continuous Integration tools Jenkins for running test on regular basis automatically.
* Integrated Automation scripts (Selenium Web Driver API) on Continuous Integration tools Jenkins for nightly batch run of the Script.
* Worked with Developers, Business analysts and Project managers to determine requirements (Test Cases, Test Data).
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment**: Agile, Java, Python, Selenium Web Driver/ GRID, POSTMAN, SOAP UI, TestNG, Python BDD Framework, Informatica, BI Reports, HTML, HTTP Client, Jenkins, JIRA, Oracle, GIT. C++, C#

**PennyMac, Plano, TX** **Jan 2022 – Nov 2022**

**Automation Engineer**

* Analysed the system requirements and developed detailed test plans and test cases and provided the documentation.
* Collaborated with product management teams in an agile environment to develop a comprehensive set of tests for web applications.
* Configured Selenium Web Driver, TestNG, Maven and created selenium automation scripts in java.
* Worked on distributed test automation execution on different environment as part of Continuous Integration Process using Selenium Grid and Jenkins.
* Develop test automation framework from scratch using Katalon Studio.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure
* successful deployment of Web applications and database templates
* Developed test automation framework scripts using Python Selenium WebDriver,
* Implemented Page Object Model framework with Python and Selenium
* Docker image creation and deployment in OpenShift
* Design JDE update reports to fix integrities in the Procurement module arising from required Chart of Accounts changes
* Implemented a Continuous Delivery pipeline with Jenkins and GitHub and AWS
* Tested application compatibility for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Verification of Frontend GUI Objects and elements.
* Developed automated script for back-end testing using Selenium RC.
* Maintained Test Matrix and Project Matrix using an excel sheet to keep track of the Project's schedule and status.
* Familiarity with UAT for making website more user-friendly and for web-applications.
* Involved in writing SQL Queries for backend testing gcloud docker, gcloud container kubectl API for deployment
* Knowledge of writing Junit tests using Junit framework.
* Implemented and maintained automated test scripts using Cypress for web applications, reducing testing time and improving efficiency.
* Proven ability in Windows and Linux commands, Scripts and testing on Windows and Linux Platforms
* Expertise in performing manual testing Mobile Application Testing using Appium.
* Responsible for implementation of Hybrid Test Automation Framework build using Selenium WebDriver, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches
* Identified automation requirements & design automation framework, scripts in Selenium (WebDriver) integration with Jenkins/CI, code reviews, and scripts execution thru Grid (hub/nodes) on remote clients.
* Executed test data and regression tests scripts after a release to ensure system is functioning properly and no new issues have arisen and provided daily status updates to the respective track leads.
* Experience in deploying Change Orders in Legacy, Windows Desktop and AWS environment.
* Involved and responsible for creating Daily and weekly status reports regarding the progress of testing process.
* Tested the GUI Application (online forms and screens) and did analysis on the Paper based form to be as accurate as the online application.
* Proven experience in Testing API Web Services using REST Assured
* Done SOA testing for API's using SOAP UI and Java framework for web services testing.
* Validated web services using Groovy Scripts in SOAP UI.
* Extensively used Selenium (XPath and CSS locators) to test the web application.
* The entire Ruby scripting done using Cucumber framework Wrote and executed SQL queries to verify the data updates to various tables and ensure data integrity.
* Support JDE Requisition, Approval and Procurement modules
* Setup and build AWS infrastructure in various resources, VPC, EC2, S3, IAM, EBS, Security Group, Auto
* Scaling, RDS in Cloud formation JSON templates
* Develop and maintain automated tests using Python and the Robot test framework.
* Developed entire frontend and backend modules using Python on Django Web Framework
* Experience with Mobile Compatibility testing and Mobile application testing - iPhone, iPads /tablets
* Developed test cases and test scripts using BSD in order to perform the complete testing of the application.
* Conducted backend testing using SQL queries to validate data for database and Used SQL queries for retrieving data from database for executing user specific test cases.
* Good experience in Functional Testing, UAT, Integration testing, System testing, Exception testing and
* Backend Testing of Mobile application
* Conduct end-to-end testing using Cypress to ensure the functionality and security of web applications.
* Responsible for Back-end c with SOAP UI and coding in Groovy and Java script.
* Performed REST API Testing using Apache Http Java Test Client for SOAP/REST web APIs.
* Experience in Mobile APP testing on Android, iPad and iPhone, Emulator, Simulator to perform Mobile App testing, phone functionality and native app testing.
* Understanding of secure-cloud configuration, cloud-security technologies (VPC, Security Groups, etc.) and cloud-permission systems (IAM)
* Used Maven tool for the Project management and for the purpose of compile, run, deploy and to add external dependencies.
* Developed automated Data Driven scripts to perform negative and positive testing of an application by providing different data.
* Automate regression testing using hybrid framework i.e., both data driven & keyword driven using Selenium Web Driver.
* Integrated with Continuous Integration tools Jenkins for running test on regular basis automatically.
* Integrated Automation scripts (Selenium Web Driver API) on Continuous Integration tools Jenkins for nightly batch run of the Script.
* Worked with Developers, Business analysts and Project managers to determine requirements (H/W specs, Test Cases, Test Data).
* Participated in daily, weekly meetings and technical reviews. Prepared reports showing the testing efforts.

**Environment**: AGILE, Java, Selenium Web Driver/ GRID, Maven, POSTMAN, TestNG, JSON, HTML, AJAX, HTTP Client, Jenkins, JIRA, Oracle, GIT. C++

**Numerix, New York, NY Sep 2020 – Dec 2021**

**QA Automation/Selenium Engineer**

* Tested compatibility of application for dynamic and static content under various cross browsers using HTML IDs and XPath in Selenium.
* Setup Selenium RC/Web Driver using Eclipse IDE, created Jar files for automating the functional test of web applications in Eclipse IDE.
* Used MAVEN to build and run the Selenium automation framework.
* Reduced turned around time and improved web UI product quality significantly by integrating Katalon Studio and Selenium WebDriver test cases with cloud-based web and mobile Testing Platform
* Tested Enterprise SOAP and Restful Web Services using SOAP UI tool.
* Firebase CLI, REST API, Node.js, Javascript and python scripting to access production Firebase Database, gcloud API, compute engine, Confidential Cloud TPUs, Kubernetes and docker
* Experience in Automated API testing tools like Katalon Studio, SoapUI, etc.
* Involved in performing Smoke, Functional, System and Regression and backend Testing.
* Validating the Restful API Using Java, Apache Http Client and XML, JSON Parsers.
* Created automated script for REST-API testing using Rest Assured framework.
* Provide JDE SCM and DAS training to Business and Sustainment users
* Experience on Deploying the code on AWS, Legacy (UNIX) and Remote Desktops
* Worked on Incidents, IR’s and Change Orders based on application team request.
* Experience in Test environments provisioning on AWS Cloud
* Experience in re provisioning the AWS instances
* Expertise on Testing REST API using Robot Framework and SOAP UI
* Developed framework from the scratch for using Cypress to automate UI and used Java script, NodeJS and NPM for Angular based user interface.
* Led the JDE SCM Problem Management efforts to address/fix recurring incidents
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure
* successful deployment of Web applications and database templates
* Built python framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* AWS, Docker, Monitoring, Cloud Admin, Ansible, Terraform
* Execute the Linux query and verified file transfer in the Linux Server.
* Extensive used the WinSCP and Putty for accessing the Linux FTP server
* Involved in Mobile Testing includes App Testing. Test automation for web application using Cucumber.
* Identifying feasible non-functional test cases for Performance testing.
* Involved in testing application on different mobile Platform such as iOS and Android devices.
* Implemented mobile automation frameworks using Appium.
* Implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure
* Performed UI and API testing using Cypress and created from framework from the scratch
* Experience with Test Automation tools such as Cypress, Selenium, TestNG, JMeter, Junit. Open-source technologies such as JavaScript for scripting.
* Create and maintain automated test scripts using Cypress, identifying and reporting defects to improve overall software quality.
* Designed and documented REST/HTTP, SOAP APIs, including JSON data formats and API versioning strategy.
* Validated SOAP UI and Restful API service
* Managed multiple Azure accounts with multiple VPC's for both production and non-prod were primary
* objectives included automation, build out, integration and cost control
* Involved in Writing Maven build scripts to automate the compilation and execution of TestNG test cases/suites for VIN service, common data service, and Admin UI and java client modules.
* Performed testing to include database conversion readiness; resolved defects and documented results.
* Created test data for interfaces in XML format to run through the test application.
* Develop requirements list, traceability matrix and test strategies, to include test cases and plans, for Interface based software test project.
* Performed manual testing and defect management; tracked, retested and documented results for web-based Reports and interfaces.
* Validate data and data mappings identified and rectified defects.
* Helped a team with Operating System Testing-LINUX/UNIX/Android
* Responsible for creating Cross Browser test automation through Selenium Grid.
* Created private cloud using Kubernetes that supports DEV, TEST, and PROD environments
* Database Change Verification testing using Oracle-Toad and SQL queries.
* Wrote scripts in Python for Extracting Data from JSON and XML files
* Manage builds and releases for Confidential Symphony Cloud and for vMS Hybrid Cloud solutions for Platform-as-a-service with OpenStack, Docker, Kafka, Microsoft Azure, and Cloud Foundry, AWS
* Documented all software support provided and tests carried on the applications. Compiled all test data and automated the process.
* Selected and procured defect management and tracking software for test use.

**Environment**: Java, Selenium Web Driver/ GRID, TestNG, Jenkins, Apache Http Client, SOAP UI, Agile, HTML, XPath, SQL, JIRA, POSTMAN, Toad.

**Client: AT&T, Dallas, TX Jan 2017 – July 2018**

**QA Engineer/SDET**

* Involved in various stages of development of the project starting from the project planning until production and maintenance using Agile methodology.
* Automating the Manual test cases using Selenium WebDriver, using JAVA.
* Configuring TestNG Framework to execute Selenium scripts.
* Studied and analysed the Functional Requirements, System Design Specifications, and interacted with Business Analyst & developers for changes in requirements if any.
* Worked in a fast-paced Agile Scrum team environment.
* Used Maven to create taste suite and creating technical and managerial reports.
* Attending Sprint Plan meetings and estimating story points for each user story.
* Create the new AWS instances based on requirement
* Analysing the User Stories, New Features/Enhancements in JIRA.
* Developed test cases and executed the same based on Acceptance Criteria.
* Involved in Selenium web driver test scripts and writing Selenium supporting classes through JAVA.
* Integration of automation batch run job with Jenkins.
* Experienced in Automation tools like selenium, protractor, QTP (Quick Test Professional), load and performance testing tool JMeter and Mobile Automation testing tool Appium.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications,

Managed Kubernetes manifest files and Managed releases of Helm packages

* Experience with automated API testing and Soup UI testing.
* AWS instances creating thru automation using Could Formation Template (CFT)
* Transitioning towards using Chef Recipes (Chef services) for automate AWS instances creating
* Performed Regression testing activities in Test environment and Production support environment.
* Logged issues into HP Quality Centre.
* Involved in backend testing of the application by executing SQL commands.
* Take offshore calls and resolve work related issues and review the day-to-day work deliverables.
* Implemented Google Python Coding Style and PEP-8 while working with various teams.
* Used Microsoft Team Foundation Server (TFS) for all the source code maintenance among the whole team members.
* Thorough understanding of testing methodologies and practices.

**Environment**: Java, Selenium WebDriver, Appium, Eclipse, Test NG, SOAPUI, Toad, Cucumber, QTP, LoadRunner, Maven, Jenkins, JMeter, Python, HP ALM, HP Quality Centre, SAP GUI, HTML, XML, Agile, JIRA, ERP, SQL and Windows.

**HTC,India Mar 2013 – Oct 2016**

**QA Tester**

* Analysis of the Specifications and creation of Test Designs according to the functional requirements.
* Involved in creating Test Plans, Test Cases and Test Scripts. Categorized Severity Incidents Reports based on severity and interfaced with developers to resolve technical issues.
* Interacted with Team lead and developers while testing the application.
* Performed test management and bug reporting using Quality Centre.
* Performed Data Driven Testing using extensive data in the test scripts
* Wrote python automation testing using selenium Webdriver across Chrome, Firefox and IE browsers.
* Used Python scripts to update content in the database and manipulate files
* Performed the User Acceptance Testing (UAT).
* Analysed the user requirements, functional specifications and used Case documents for Functional testing.
* Developed and implemented robust MVC pattern base testing with Selenium RC which cut down the script development time in half.
* Involved in automating test cases using Selenium RC with Junit.
* Deploy the Change Orders in Legacy, Windows Desktop and AWS environment.
* Wrote and executed automated test cases using Selenium RC to automate manual testing solutions.
* Used Selenium RC used to test search results of Meta search engine.
* Reviewed Specified Business Documents and prepared Test Cases using Quality Center based on the requirements.
* 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.

**Environment**: Selenium RC, Java, Junit, SQL, DHTML, Jira, HTML, MSWord, MS Excel, UNIX, Windows, REST API, JSON

**EDUCATION**

* Bachelors from Kakatiya University, Telangana, India
* Masters from Jawaharlal Nehru Technological University, Hyderabad, India