**PROFESSIONAL SUMMARY**

* Overall 17+ years of professional experience as QA Automation Architect.
* Extensive experience in Hadoop for Big Data Testing.
* Good experience in End to End Unit, Functional, Integration, Interfaces UAT, Performance, Work soft Automation Testing in SAP.
* Testing of Client/Server environment in SAP FI, CO, MM and SD modules using manual as well as automated tools.
* Experience in scripting language like Java scripting, VB Scripting & groovy scripting.
* Skilled automating with Cypress ,TestNG & BDD &automation framework using CoreJava, NodeJs & groovy scripting for UI testing.
* Extensive experience in Python/ Java web frame works like Django, Pyramid and Flask in implementing MVC architecture.
* Extensive experience in Spark dataframe, AWS EMR and Hadoop.
* Worked on various applications using python/java integrated IDEs Eclipse, PyCharm, NetBeans and Geany.
* Worked on several standard python/java packages like Numpy, matPlotLib, Pickle, PySide, Scipy, wxPython, PyTables etc.
* Experience in Unix/Shell scripting & Perl Scripting.
* Expertise as SAP Testing Lead in different modules SAP S/4 HANA Finance, S2P, SAP ECC FICO, MM, SD, SRM, MDM, PP,MEM, Experience in conducting end user on various SAP R/3 modules.
* Proficient as Lead QA engineer in both Automation and functional testing process, with tools like Selenium WEBDRIVER, UFT, Test Complete.
* Experience in test data mocking using Mockito .
* Experience in Performance Automation using Jmeter.
* Experience in cloud-based mobile applications testing using APPIUM.
* Experience in REST API testing using core java, postman, SOAPUI & REST Assured.
* Experience in backend Automation using BDD & QTP and running Batch job Automation.
* Experience working in build Automation tools Maven and gradle.
* Experience in major web application servers: Apache Tomcat, Jboss, Apache HttpServer.
* Good understanding of RDBMS- Relational Database Management Systems and worked on different databases like Oracle, SQL Server, ROCKMONGO, PL sql and DB2.
* Provided leadership and technical expertise to a team of analyst as it relates processes automations and productivity.
* Work with all the stakeholders to define and execute the RPA programs and manage change issues.
* Strong familiarity with IPHONES and android operating systems and applications.
* Expertise in Defect Tracking and Bug Reporting Tools like HP ALM/Quality Center/Rational Clear Quest and JIRA.
* Strong knowledge on Oracle Application Test Suites.
* Strong knowledge in Six Sigma, SEI-CMM, ISO standards, Automated Software Testing Maturity Model and Automated Testing Life-Cycle Methodology.
* Performed POC on tools PlayWright.
* Knowledge on Share market trading, futures trading , Equities, Options and rollover concepts.
* Worked on onsite/offshore model.

**PROFESSIONAL EXPERIENCE**

**Client - Elevance Health, Cerritos, CA Sep 2018 to till Date**

**Employer-Nextgen Technologies Inc**

**Role-QA Automation Architecture**

**Responsibilities:**

* Define Jira Defect life cycle Process for all QA teams.
* Define Manual and automation process in JIRA for all QA teams.
* Enabled CICD for all projects in CareMore for Continues Build Deployment and Testing.
* Designed POC and implemented xRay plugin with JIRA and bamboo for continues testing.
* Designed POC for qTest integration with Jira for continues testing.
* Integrated with Bamboo for running selenium scripts for Continues build testing (UI Testing) using Core Java.
* Cypress Automation using Java script.
* Verification of the transformation rules have been applied properly and maintain the data integrity by checking the data load into Target Tables via AWS EMR data frame.
* Create, Test Hadoop jobs and Teradata BTEQ scripts to ensure the data availability into the respective environments.
* Integrate Jbehave BDD framework with AWS EMR for validation of Parque files in S3 bucket.
* Federation of AWS to run jbehave scripts.
* Expensive use of Pandas to create , read and work on dataframes.
* Running sql query using spark to read parque or csv files.
* Did extensive work with ETL testing including Data Completeness, Data Transformation & Data Quality for various data feeds coming from source.
* Defined Jira Defect Workflow for entire Prod and Non Prod Defects.
* Designed POC on CA Test Data Management.
* Database validation from data migration from source to destination.
* Schema , data loss , data type and record validation using java.
* Designed POC and implemented Jmeter for Performance CICD with integration with Bamboo execution and custom reports.
* Designed POC and implemented ETL testing using BDD for Data related application by triggering batch jobs.
* Used MS Visio for designing flow diagrams for Automation framework.
* Designed and implemented plugin for capturing LO efforts of teams entered in JIRA.
* Define BDD best practices for all QA teams.
* Identified mobile elements using Appium Inspector, UI Automator Viewer .
* Good Experience in Configuring the Appium Test Environment.
* Good experience in mobile testing using Appium in both IOS and Android applications using simulator and emulator.
* Used Appium to facilitate mobile testing by creating mobile Driver class with there quired Mobile capabilities.
* Performed concurrent executions on emulators and simulators
* Implemented simulator for mobile app testing in IOS, Android using Appium Tool.
* Creating and deploying Automation scripts using appium Experience with Mobile Automation using Appium automation framework and WebDriver.
* Worked on the Android module of the project where I was responsible for automating the app using Appium
* Executed the test plans on Mobile (IOS & Android) as per requirements using Appium.
* Support offshore and onsite QA team on JIRA issues and concerns.
* Design and implement BDD framework for continuous testing of all projects.
* Train both offshore and onsite QA team on setting up BDD framework on their systems.
* Experience in test data setup in AWS, batch job processing in S3 and Filenet validation in S3 bucket.
* Manage both offshore and onsite QA teams on daily basis for BDD activities.
* Implementing POC for all projects using BDD framework.
* Effort estimation for all projects to be on boarded to BDD.
* Review and approve/reject Bitbucket pull request for all projects on boarded on BDD for CICD.
* Create Bamboo plan for running BDD test case for each project in Selenium Remote node (Selenium grid).
* Used Mockito for mocking test data and Rest API responses.
* Configure Devop’s tools like **docker** and **Kubernetes** for **CICD.**
* BDD automation using Cypress for Angular application.
* Remote Automation execution using Selenium grid.
* Used Git repository for creating and approving git pull requests for team members.
* Involved in PI planning and Sprint planning for Offshore and Onsite QA BDD team.
* WCAG Accessibility testing for Web applications.
* Management of offshore and onsite team for BDD task in each PI planning (Agile).
* Operating as an advisor or business consultant and recommending process automation improvements
* Designing and implementing software robotics and process automation
* Designing and implementing POC for Test Complete.
* Bring a level of robotics knowledge to the client and play an important role in identifying and targeting new opportunities with both existing and new clients
* Analysing, documenting and reengineering business processes in scope for automation and robotics
* Designing and Implementing solutions around RPA software like Blue Prism, Automation Anywhere and UI Path and to advise our clients on RPA tool selection
* Support business development activities, responding to the proposals as a RPA subject matter expert, by coordinating with key stake holders in the company

**Environment: Web application, Test Complete, Jmeter, Appium, dockers ,Restful API, Postman/ Swagger, Automation Anywhere, Microsoft SQL Server, PlayWright, Selenium Web driver, Cypress, BitBucket, Bamboo, Core Java, Java Script, Python.**

**Client - Yapstone, WalnutCreek, CA Nov 2017 to Sep2018**

**Employer-Nextgen Technologies Inc**

**QA Automation Architecture**

**Responsibilities:**

* Design and develop selenium Webdriver automation framework for web based application using Python.
* Automate REST APT’S using HTTP client.
* Service orchestration of REST API’s for end to end automation.
* Running regression test suit developed in Cypress and fixing the issue on by weekly sprint release.
* Unit testing using junit.
* SWAT/ BUS ticket validation: -
  + Reproducing the issue in assigned environments.
  + Escalate data/application/process/KT related issues to respective team.
  + Use mac terminal for logging into dailyapp.log and analyze error messages caused while testing the SWAT/BUS tickets.
  + Run SQL to fetch/update/delete data from db.
  + Run batch jobs as part of testing BUS/SWAT tickets.
  + Run smoke test on pre-prod environment for each sprint release.
  + Log into processor terminals to see processor error logs and make necessary changes to fix the issue.
  + Run puppet commands to make changes to server side file configuration.
  + Restart Kafka and zookeeper for resolving payment related timeouts.
  + Make changes to key files for credit card related AUTH processing
  + Standup meeting with offshore team.
  + Addressing offshore team risks related to Environment, application and data with onsite teams.
  + Schedule meeting with product owners and development for each sprint kickoff.
  + Schedule meeting with offshore QA/Dev team and onsite Dev/QA team for daily standup (Agile).
  + Schedule KT session with different product teams for understanding new features in the client system and resolving SWAT/BUS tickets.

Requirements gathering, implementation, Maintenance and support.

**Environment: Web application, Cypress, Restful API, Postman, Sqrirrel SQL, Selenium Web driver, GitHub, Appium, Core Java, Mac 10.13.5.**

**Client - Verifone, San Jose, CA Oct 2016 to Nov 2017**

**Employer-Nextgen Technologies Inc**

**QA Automation Architecture**

**Responsibilities:**

* Created and Implemented Selenium 3.0 , node.js with Testng framework using page object model using Python.
* Integrated with Jenkins for running selenium scripts for smoke testing.
* Designed POC for Automating Dev tools/Terminals/Devices for end to end testing.
* Responsible for developing test plans, test cases and execution of the complete test cycle for the backend for the application.
* Performed backend testing in SQL workbench database and analyzed the log files for different error codes.
* Created Data driven framework using Apache httpClient for REST / SOAP Validation.
* Interacting with BA and functional lead for requirement gathering on scope of Automation.
* Automating of POS terminals devices using Selenium and APPIUM on both emulators and IOS and Android devices.
* Validate POS Systems for cash management, discounts, cash drawer loans, debit / credit card payments, returns and receipt systems.
* Built Javascript based test framework using cucumberjs, webdriverio, node.js, angular.js, Node.js
* Participated in reviews and defect report meetings weekly (Agile).
* Managed a team of 6 software engineers.

**Environment: Web application, Restful API, swagger, SQL workbench, Selenium Web driver, GitHub, Appium, Core Java, Mac 10.**

**Client - First Republic Bank, San Francisco, CA Oct 2015 to Oct 2016**

**Employer-Mphasis US**

**QA Lead**

**Responsibilities:**

* Created and Implemented data driven framework using Apache httpClient for REST validation.
* Analyzed code to identify and improve performance bottlenecks and contingencies with shared resources.
* Automating Middleware team's requirements for validating SOAP API's with backend Java application (totalplus), MDM db, and CIF db.
* Automation of Store procedures, for validation SOAP API response using  VB Scripting.
* Service orchestration and validating backend (PL/SQL) using Core Java / Rest Assured.
* Responsible for developing test plans, test cases and execution of the complete test cycle for the backend for the application.
* Writing complex PL sql query for store procedure Automation.
* Performed backend testing in Oracle database and analyzed the log files for different error codes.
* Used Oracle Application Testing Suite to test Oracle applications.
* Fine tuning PL SQL, oracle and SYBASE queries.
* Resolving existing automation framework roadblocks to handle embedded input / put payloads, Controlled input / output request and response payloads.
* Test ETL software.
* Test ETL datawarehouse components.
* Executing backend data-driven test.
* Test flat file data transfers.
* Managed a team of 3 offshore software engineer (Agile).

**Environment: Middleware, SOAP API API, SOAPUI, Oracle, sql server, Groovy, TMS, jira,ETL tools.**

**Client - Fannie Mae, Dallas, TX Jul 2014 to Oct 2015**

**Employer- Mphasis US**

**QA Automation Lead**

**Responsibilities:**

* Created BDD using Selenium Webdriver and cucumber (UI Testing).
* Interacting with BA and functional lead for requirement gathering on scope of Automation.
* Involved in UAT-SQA testing on application like Manufacturer and Client Package.
* Involved in deployment of SQA staging environment into UAT.
* Driven regression testing for the modified builds, as part of SDLC Model.
* Intentionally raised defects by giving validations and doing negative testing on applications.
* Develop test automation harness Java Selenium, TestNG, Maven & use the Java framework develop to execute API level tests, also to test the Webservice call using Restful API (Soap UI) & Groovy with JSON data format.
* Automating IOS, android and kindle devices using Selenium and APPIUM on both emulators and devices.
* Experience in mobile app release management.
* Interacted with developers and Managers to identify and resolve technical issues while performing Automation testing using Selenium.
* Analysis and creating LOE.
* Writing Java, to automate functional test case using Selenium Web driver.
* Test ETL software.
* Test ETL datawarehouse components.
* Executing backend data-driven test.
* Test flat file data transfers.
* Managed a team of 8 offshore software engineers (Agile).

**Environment**: Web application, Restful API, SOAPUI, SYBASE, Groovy, Selenium Web driver, GitHub, Core Java,ETL tools.

**Client - Apple, CA July 2013 to Sep 2013**

**Employer-Cognizant Technologies**

**Senior Test Analyst**

**Responsibilities:**

* Created and implemented Selenium Webdriver with testng framework (UI Testing).
* Push daily scripts for peer review in Git repo.
* Data driven from java beans.
* Analyzing logs using splunk, putty.
* UAT testing of java based front end and backend using Apache SOLR.
* Test case orchestration on Apache SOLR to cover end to end testing.
* Interacting with BA and functional lead for requirement gathering on scope of automation.
* Automated using internal tool like pomegranate.
* Writing core java, to automate functional test case using Selenium Web driver.
* Analyzing and debugging failed scripts of both team members.
* Guiding team in handling complex scripting.
* Creating matrix, for generating reusable methods for automation team.
* Reporting defects in Jira.
* Executing and reporting results to functional team.
* Handover of automation deliverable and demo to functional team.
* Managed a team of 7 offshore software engineers (Agile).

**Environment:** Web application, Selenium Web driver, GitHub, Java beans, Core Java, Mac, SOLR.

**Client - Blue Shield, San Francisco, CA Sep 2013 to July 2014**

**Employer- Cognizant Technologies**

**Senior Test Analyst**

**Responsibilities:**

* Created and implemented Selenium Webdriver with testing framework (UI Testing).
* UAT testing of Java based front end and backend.
* Interacting with BA and functional lead for requirement gathering on scope of Automation.
* Comply with SDM, HIPAA, Diversity Principles, Corporate Integrity and Compliance Program policies.
* Created and Implemented data driven framework using SOAPUI for REST validation.
* Allocation of task to team members.
* Daily sync up meeting to track task performed by team members.
* Writing VBS scripts / Java, to automate functional test case using Selenium Web driver.
* Analyzing and debugging failed scripts of both team members.
* Guiding team in handling complex scripting.
* Test ETL software.
* Test ETL datawarehouse components.
* Executing backend data-driven test.
* Test flat file data transfers.
* Creating matrix, for generating reusable methods for Automation team.
* Reporting defects in ALM.
* Executing and reporting results to functional team.
* Handover of Automation deliverable and demo to functional team (Agile).

**Environment:** Web application, Selenium Web driver, facets, QTP, ALM, GitHub, RESP API, Core Java, Mac, Nuestar,ETL tools.

**Client - North Western Mutual, Franklin, WI Oct 2012 to Jun 2013**

**Employer- Cognizant Technologies**

**Senior Test Analyst**

**Responsibilities*:***

* Involved and worked as scrum master in agile model.
* Proposed and changed existing Selenium IDE scripts to Selenium Web driver.
* Attended stand up meeting to update my task completed and task to be done, as part of SDLC.
* Mobile app testing using device anywhere.
* Attended team meeting to understand task in current sprint and estimate my effort to automate the functionality.
* Attend retro Spector meeting with other agile team members to explain our progress and understand other team member’s progress.
* Allocation of task to team members.
* Writing Java scripts, to automate functional test case using Selenium Web driver.
* Analyzing and debugging failed scripts.
* Guiding team in handling complex scripting.
* Creating matrix, for generating reusable methods for Automation team.
* Reporting defects in Jira.
* Executing and reporting results to functional team.
* Handover of Automation deliverables and demo to functional team (Agile).

**Environment:** Web application, urban turtle, QTP, Selenium web driver, Testing, QC, Core Java.

**Client - BestBuy, Richfield, MN Nov 2011 to Oct 2012**

**Employer-Wipro Technologies US**

**QA Lead**

**Responsibilities:**

* Create framework for Best buy OLS, using Selenium WebDriver and cucumber (UI Testing).
* Integrate Selenium WebDriver framework with Jenkins.
* Configuration of Jenkins jobs and building test cases from Jenkins.
* Automating IOS, android and kindle devices using Selenium and APPIUM on both emulators and devices.
* Writing jbehave story and Java scripts to automate functional test case.
* Analyzing and debugging failed scripts.
* Tested cloud-based mobile, iPad, kindle, tablet applications across multiple platforms touching the full stack across the web using APPIUM and WEBDRIVER IO.
* Used cucumber to automate JSON data format for REST API Validation.
* Conducted updating and data configurations for multiple apps released weekly (Agile).
* Reporting defects in JIRA.
* Handling offshore teams and helping them in automating complex applications.
* Involved in IPT (Integration protocol testing), as part integration testing of SDLC.
* Involved in validation of upstream and downstream systems of BestBuy systems.
* Supported holiday release and production support.

**Environment**: Web Brower, Selenium Web driver, Jenkins, SQL developer, Dev Ops, Core Java, APPIUM, WEBDRIVER IO, Jbehave, Cucumber, Junit.

**Client - BNYM Mellon, Bangalore, India Oct 2009 to Sep 2011**

**Employer-Wipro Technologies**

**QA Manager**

**Responsibilities:**

* Work order creation.
* Effort estimation calculation.
* Daily interaction with client to discuss on DSR.
* Designed and developed QTP Hybrid Framework for flex, Java, mainframe, power builder applications (UI & GUI Testing).
* Review of test cases for identified scenarios to check Automation feasibility.
* Developing QTP Scripts as per the manual test cases
* Presented demo on the Automation Framework and QTP to the clients.
* Team tracking and status reporting.
* Resolving complex scripting of team members.
* Handled all teams at offshore, in absence of manager.
* Measured ROI on Automation.
* System Specifications study and requirements analysis (Waterfall model).

**Environment**: **Java**, JDBC, XML, flex, power builder, main frame, QTP, QC, vb scripting.

**Client - BNYM Mellon, Bangalore, India Dec 2008 to Sep 2009**

**Employer-Wipro Technologies**

**QA Lead**

**Responsibilities:**

* Managed multiple teams at different location.
* Estimated Automation effort for each project.
* Reviewed estimation of other team members.
* Involved in peer review.
* Reporting ROI for client.
* Resource allocation for a project.
* Team member appraisal.
* Cost estimation for a project.
* Involved in Automating the Test case document to Automation scripts.
* Support other team members on Automation scripting.
* Coordinated with Other team members to get KT on the Application.
* Wrote functions for QTP to handle complexity of the application.

**Environment:** Java scripting, Flex, XML, QTP, QA, TEmulator, Humming Bird, Power Builder, SOAP UI.

**Client - SAP Labs, Bangalore, India Feb 2008 to Dec 200**

**Employer-Wipro Technologies**

**Content Developer**

**Responsibilities:**

* Understand user requirements and create detail design documents.
* Create stubs using Core java and ajax for Poral applications.
* Derive white box test scenarios and perform integration testing.
* Analyzing Scenario requirement specification.
* Preparing the Component scripts via QTP 9.5.
* Mapping all the required Components into the BPVT’s.
* Arranging the BPVT’s into sequence into a Scenario variant.
* Creation of XML files for Master Data, which is used for Test data.
* Did POC for Keyword Driven testing on BYD.
* Got appreciation for creating a BPT framework for the Team.
* Raised CSN for all the Bugs found in the Application.
* Actively attended meetings with Client, fellow testers & other Groups to evaluate the progress and performance of the application(Waterfall model).

**Environment:** Java, JDBC, XML, SAP Logon, SAP SD, QTP BPT, QC, XML, SOAP UI, oracle, ETL tools.

**Client - Verisign, Bangalore, India Mar 2006 to Jan 2008**

**Employer-Mphasis BFL**

**Software Engineer**

**Responsibilities:**

* Analyzing software requirement specification(Waterfall model).
* Understanding User requirements, test plan and test specification.
* Developing core java interface to consume SOAP API for QTP Automation.
* In charge of version control, Test Director, Coding Standards for QTP scripting.
* Involved in creating keywords for the framework using VB scripting.
* Worked on QC OTA for integrating existing framework.
* Deployed and connected to Qa db using tomcat.
* Performed backend validation using QTP for SOAP API testing using Java interface.

**Environment: QTP, Oracle toad 8.4, Web Application, vb Scripting, QC, Jira,VSS.**

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| Functional Test tool | UFT, Selenium WebDriver, junit |
| Continuous integration | Jenkins |
| Test management | ALM |
| Agile and scrum tool | Urban turtle, TMS |
| Performance tool | Neustar |
| Database | Oracle, SQL developer, TOAD, MySQL, MS Access, ROCKMONGO, PL SQL |
| Languages | C, C++, Core Java, VB scripting, Shell scripting Groovy & Linux basic |
| SOAP API/ REST | Postman, SOAPUI, Spring |
| Bug tracking tool | JIRA, SAP Logon |

**EDUCATION**

Bachelor in Computer Science and Engineering, Visvesvaraya Technological University -2005.