## Ruchit Chokshi

**Sr. QA Automation Engineer**

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## SUmmary:

* **Having 9+**years of experience with a focus on analyzing system functionality, design and implementation of **QA testing methodology**and extensive use of all **QA**and **Object-Oriented**practice to design test automation framework**.**
* Experience of all phases of **SDLC**(**Software Development Life Cycle**), and **QALC** (**Quality Assurance Life Cycle**) demonstrated ability to self-motivate and be flexible within a fast-paced environment.
* Excellent understanding and experience of working on **AGILE Methodologies**and involved in all phases of **Software Development Life Cycle**
* Experience with **Selenium WebDriver** on creating **C#** or **Java** test scripts for **Black Box Testing**and **White Box Testing** ability to self-motivate and be flexible within a fast-paced environment**.**
* Experience in **functional**and **UAT**testing using **Selenium Web Driver**on both platforms as well as **cross platform** web testing on all major **web browsers**(Safari, Google Chrome, Firefox and IE)**.**
* Extensively automated **Regression**and **Functional test**suites by developing **test cases**and **test suites** using **Selenium WebDriver**.
* Solid understanding of **Behavioral Data Driven (BDD)** framework and hands-on experience developing feature files with **features**, **scenarios** and **step definitions** in **Gherkin** using **Cucumber**.
* Hands-on experience in writing **SQL queries**and executing procedures to perform **back-end testing**for the expected results**.**
* Experience in **programming, deploying, configuring** and **fine-tuning middle-tier J2EEApplication Servers** likeopen**-source Apache Tomcat 6.x/7.x/8.x, JBOSS, WebLogic** and **WebSphere.**
* Expertise in Software development methodologies like **Agile Methodology, Test-Driven Development and Waterfall Methodology.**
* Extensive experience in performing **API/ web-services**testing using **POSTMAN**for **REST API** and **SOAPUI** for **SOAP** based **API**
* Using **Git**for maintaining the version controlling and integrated with **Jenkins**to run the latest version of code in the background.
* Configuring objects with backend database tables using ORM mapping in Hibernate, ETL end to end application on spring boot framework (Rest API Application/Spring JP Using Crud repository)
* Creating **automation framework**in **Selenium WebDriver**and **NUnit**using behavior driven approach like **Spec flow** in **C#** and **Cucumber** in **Java**
* Extensive experience in Test automation using different Automation tools/techniques which include Selenium WebDriver, Quality Center, TestNG, Maven, Cucumber, Jenkins, FireBug, Fire Path.
* Experience in **CI/CD**process for various **test suites**, **pipeline**and **automated**scheduling in writing and executing **SQL queries**on databases for **backend testing** involved in creating test framework based on **BDD**, **DDD**, **TDD** using tools like **Spec flow**, **Cucumber**, etc.
* Expertise in working with Manual and Automated testing tools: SOAP Scope, SOAP UI, IBM RIT (GreenHat (**GH) Tester**), Clear Quest and Quality Center HP ALM11, CALT
* Experience in testing front-end using **Selenium WebDriver frameworks** like Keyword Driven**,** Data Driven, and Page Object Model, parameterizing tests and executing test cases as TestNG suite**.**
* Extensively worked with **Black box** and **White box** testing for various Client/Server and Web-based applications and Software Testing Life Cycle **(STLC)**.
* Expertise in **Automation**Tool Selenium 2.0, Protractor, QTP and performance testing tool- JMeter, **mobile automation testing** tool- **Perfecto**/**Appium**
* Experience in industry standard methodologies like Software Development Life Cycle **(SDLC**), Software Test Life Cycle **(STLC**) using **Waterfall** and **Agile** Mode using **SCRUM** methodology and developing test **automation** solutions for **Agile/SCRUM.**

## Technical Skills:

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| **Automated Testing Tools** | Selenium WebDriver/RC/IDE/Grid, Junit, TestNG, JMeter, SoapUI, Cucumber, QTP, Load Runner, Microsoft team foundation server (MS TFS), Readapt |
| **Automation Frameworks** | Hybrid, Data Driven, Keyword Driven, BDD/ATDD, Page Object Model (POM). |
| **Performance Testing Tools** | JMeter, Neo Load, Load Ninja, LoadRunner |
| **Test Management Tools** | Test Director, ALM, Quality Centre 11.0/10.0/9.x/8.2., Waterfall, Agile, RUP, Scrum |
| **Scripting Languages** | TSL, VBScript, Java Script. |
| **Languages** | C, C++, Java/J2EE, VB, HTML, XML and SQL |
| **Build Tools** | Ant, Maven |
| **Version Control Tools** | GIT, SVN, CVS, TFS |
| **Continuous Integration Tools** | Hudson, Jenkins, and Cruise Control |
| **Browsers** | Internet Explorer 6/7/8, Firefox, Google Chrome |
| **IDE** | IDE, Eclipse, My Eclipse |
| **Protocols** | HTTP/HTTPS, FTP, TCP/IP. |
| **Database** | Oracle, MySQL, MS SQL Server |
| **Operating System** | Windows NT/2000/XP/Vista/7, UNIX. |

## Education:

Master's in project management from, Harrisburg University of Science & Technology, USA 2019

Master's in computer science from, Northwestern Polytechnic University, USA 2016

Bachelor's in computer science from Gujarat Technological University, India 2013

## Professional Experience:

**Client: Siemens Alpharetta, GA Jul 2022 – Till Date**

**Role: Sr. QA Automation Engineer**

**Responsibilities:**

* Experience in web user interface automation testing with Selenium WebDriver, java, Cucumber and TestNG frame works.
* Developing **Test cases** and **Test scripts** to fully validate the functionality**and** ensure that the application meets all the security and privacy requirements.
* Extensive experience in Test automation using different Automation tools/techniques which include Selenium WebDriver, Quality Center, TestNG, Maven, Cucumber, Jenkins, Fire Bug, Fire Path
* Using various **SQL** **queries** to validate and populate data into a table **Security testing** ensured the application business logic, and also helped identify and patch all the vulnerabilities of the application.
* Responsible for creating test scenarios for user stories and creating automation test suites using **Python**, **Selenium Web driver**, **Pytest** framework.
* Performing **Functional, Navigation, Regression** and **Smoke** tests on the new enhancements added to the web application in different environments like **UAT** and finally in Production.
* Wrote **SQL** Statements to **extract Data** from Tables and to verify the output Data of the reports planned and documented **Test cases** for **Functionality, Security, Performance**, **Database and Acceptance testing**.
* Conducting **User Acceptance Testing** before the initial release when the project reached the final phase prior to deployment **Automation**/**manual testing** using the Standards, guidelines and structured methodology in testing the application.
* Designing Automation framework using**Selenium WebDriver**and developed test scripts to automate process of testing in Selenium WebDriver
* Developing and maintained automated regression test cases in **Selenium WebDriver** using Java Programming language **Selenium IDE** to locate the Objects and used the locator in scripts.
* Developing Automated scripts for Performance Test Scripting Framework using JMeter and NeoLoad tools established continuous integration practice and standards with Jenkins.
* Involving in analyzing **system specifications, design, development** and execution of test plans and test cases for **Manual** and **Automated testing**.
* Experienced in complete Software Development Life Cycle (SDLC), Software Testing Life Cycle (STLC), Software Development Engineer in Test (SDET) and Defect Life Cycle including Agile Scrum and Waterfall models.
* Involving in **User Interface testing, Usability Testing, Functionality Testing and Smoke Testing**of the application test cases for**ETL t**esting and execute them. After execution do reporting of defects
* Developing automation scripts using **Selenium - WebDriver, Java & TestNG** framework to automate test regression suite of few applications.
* Developing new and updated existing Automation test cases using **Selenium WebDriver** with **TestNG** and **page object model**, using **Maven** as Build tool
* Using **Git** for source code management **Maven** as the project management tool for automation scripts **TestNG** as the testing framework for flexible test configurations during Automation testing.
* Using **TestNG framework,** covering different types of test designs like a unit test, functional test, end to end test, UI test and integration test.
* Involving in running **Selenium automation** scripts and updating the scripts according to enhanced requirements using selenium **Web Driver and Python**
* Good experience to set up, configure continuous build processes using **Bit bucket, Bamboo, Maven** and **Test NG** monitored regression test results, fixed tests as needed and created bugs
* Hands on Experience in validating the client server request Response using tools like **SOAP UI and Postman tools** user Story analysis and Story Point Estimation (Poker Estimates).
* Implementing POM (Page Object Model) automation framework using **JAVA, Selenium WebDriver and Cucumber** review the Test Scenarios/ Test Cases with Business Analyst and Dev Team

**Environment:** Selenium Web Driver, Selenium Grid, Selenium IDE, Maven, Jenkins, HP ALM 12.5, Java, AngularJS, HTML, Bootstrap, SQL Server 2008, SOAPUI, GITHUB, Windows 7.

**Client: John Deere, moline IL Jul 2019 – Jul 2022**

**Role: QA Automation Engineer**

Responsibilities:

* Involved in **Automation Scripts development**, debugging, batch scripts execution using **TestNG**, analyse results and reporting defects.
* Developed new and updated existing Automation test cases using **Selenium WebDriver** with **TestNG** and **page object model**, using **Maven** as Build tool.
* Developed Automation framework implementing **Page Object Model,** using **JAVA, Selenium WebDriver and Cucumber** participating in **SCRUM** process, attended daily scrum meetings, sprint planning**.**
* Provided regular updated for the testing status, throughout the Software Development Life Cycle (**SDLC**) including **UAT** phases performed Defect Tracking and Management in **JIRA**
* Used **JIRA** for logging defects and responsible for communicating the status to the respective team responsible for writing and executing Selenium **WebDriver** test scripts on different browsers to check compatibility
* Used **Git** for source code management **Maven** as the project management tool for automation scripts **TestNG** as the testing framework for flexible test configurations during Automation testing.
* Involved in analyzing **system specifications, design, development** and execution of test plans and test cases for **Manual** and **Automated testing**.
* Carrying out responsibility of delivering, **ETL** the tasks including **database scripts**, source code and any other documents as and when required through GitHub.
* Experience in Software Design Engineer and Test (SDET) in Microsoft.
* Created and enhanced numerous test scripts to handle changes in the objects, in the tested application’s GUI and in the testing, environment using **Selenium WebDriver.**
* Used **Load Runner** to do performance testing **cucumber Framework** configuration and Setup for the Project using **Cucumber** Features, Scenarios and Step Definitions in Gherkin format
* Used **SourceTree** for Version Control Communicated **Appium** with every Application team to make **End to End** testing successful **Maven** as **Build Tool** user Story analysis and Story Point Estimation
* Executed the Test cases and review the results to get the Business approval for UA review the **Test Scenarios/ Test Cases** with Dev and Business Analyst.
* Expertise in testing **Client Server, Mainframes, Middleware (EDI)** and Intranet based applications including development and implementation of test plans, test cases and test scripts.
* Developed **Test Plan, Test Cases, Test Case Design**, reports business and functional requirements as part of Manual and Automated Testing.
* **Hands-on technology professional** accustomed to working in complex, project-based environments. Multifaceted experience in QA software testing, software development and user-acceptance testing.
* Strong analytical skills combined with outstanding leadership ability, creative problem-solving skills in both **strategic, tactical** areas.
* Highly experienced in interacting with the client and end user to discuss the requirements and update the team as per the client needs.
* Executed **System Test Cases/Scenarios in DEV** environment and make sure that user stories are working as expected **UGC Excellence Gold Award** for two consecutive quarters for the projects handled with Google.
* Used **TestNG framework,** covering different types of test designs like a unit test, functional test, end to end test, UI test and integration test.
* Good experience to set up, configure continuous build processes using **Bit bucket, Bamboo, Maven** and **Test NG** monitored regression test results, fixed tests as needed and created bugs.

**Environment:** Eclipse, Selenium WebDriver, Appium, HP Quality Center, Soap UI, API Testing, Postman, SAP Hybris, JSON, Jasmin, Agile-Version one, Maven/ANT, GitHub, SVN, Jenkins, TestNG.

**Client: United airlines, Houston, TX Mar 2018 – Jul 2019**

**Role: QA Automation Analyst**

**Responsibilities:**

* Extended **NUnit**framework by adding some helper **classes**and **methods automated Restful api services** using **HTTP Client**using **C#**by following the **TDD/BDD** **framework** model.
* Used **XPath**, **CSS Selector**, **ID**, **Name**, **Link Text**locators to identify objects-built automation scripts using **Data driven** and **NUnit Framework**.
* Used **Postman**for testing the **web services**and **apis**by the request and response time. Added various **assertions** and did a **data driven**by getting the data from excel sheet
* Wrote the **Hibernate**-**mapping** **XML** files to define **java** classes database tables mapping used **Hibernate** Template for various database update, insert, delete operations and for involving functions, stored procedures, triggers.
* Used **Team Foundation Server (TFS)**to open bugs, create tasks and user stories, initiate change requests and deploy applications.
* Executed **automation scripts**on different browsers and environments and reported defects to the team members.
* Worked on software **Verification**and **Validation**manually and used **Assertions**for automation used **Postman** to manually test **RESTful web services**and **APIs**using various methods.
* Converted the properties files to **JSON** file. Configured application framework using **JSON** (JavaScript Object Notation) file to read the data.
* Created **Java** based scripts for Selenium WebDriver with **TestNG** as **automation** framework used **Firebug** and **Fire path** for object identification and debugging the **automation** script failure in **Selenium** Web Driver
* Configured **Jenkins** build jobs to perform **Continuous Integration and Continuous Delivery** in the Application used **JIRA** for Project management and for bug reporting to log the defects.
* Hands on experience in using **GITHUB** as central repository to perform **Push**, **Pull**, **Stage**, **Unstage**, **Stash**, **Status**, **Add**, **Clone** and remove operations in local repository **GIT**
* Worked with developers to update the defects, resolve them and track their status using **JIRA** and also used **Log4j** as the logging framework to direct logging information into a file during the build execution.
* Writing the Test cases using the Element Locators, WebDriver methods, Core Java Programming Features and **Test NG Annotations**.
* Writing the test cases for Smoke test and Regression testing using **Selenium** Framework and helped the CI people to setup the environments for running the **Smoke Test** and **Regression Test** for Continuous builds
* Experienced in **Data Driven Testing, Cross Browser** testing and parallel Test Execution Selenium Web Driver, TestNG and **Selenium** grid.

**Environment:** Java, QTP, SOAPUI, Node.JS, Agile (Scrum), JIRA, Load Runner, Cucumber, Firebug, API testing, SOAP, SQL, HP Quality Center, Oracle and Windows.

**Client: Comcast, Cherry hill, NJ Jun 2016 – Feb 2018**

**Role: Software Quality Assurance**

**Responsibilities:**

* Analyzed the Business Requirements Document, put input in Test Plan, and prepared detailed Test Cases for new functionality.
* Associated with the development team to understand technical design and architecture for test planning.
* Supported new and existing products by configuring and testing software products and software components of a website.
* Used Maven tool for Project management and for the purpose of compiling, running, deploying, and adding external dependencies.
* Used Maven for building the Web Driver project. Integrated with Continuous Integration tools Jenkins for running tests on a regular basis automatically.
* Monitored the test execution in Jenkins once the code was pushed into Continuous Integration.
* Involved in pushing the automated test code into CI (Continuous Integration) and monitored the test execution in Jenkins once the code was pushed into CI.
* Created test scenarios for manual, regression, smoke, system, and User-acceptance testing.
* Used SOAP UI tool to test SOA-based architecture applications to test SOAP services and REST API.
* Created scripts in SOAP UI using Groovy Script for web services testing.
* Used web-debugging tools like XPath, Firebug, and Fire Path to locate elements.

**Environment:** TestNG, JDBC, Ruby, Cucumber, scripts, Java, Jenkins, XPath, Firebug, CI, Rest API, Groovy, Fire Path, SOAP UI.

**Client: Kanerika, India Aug 2013 – Nov 2014**

**Role: Software Developer**

**Responsibilities:**

* Developed and maintained automated regression test cases in Selenium WebDriver using Java Programming language maintain version control of the source code using Stash/Bitbucket tool and utilize the GIT commands.
* Performed BDD (Behaviour Driven Development) using Cucumber Features, Scenarios and Step Definitions in Gherkins format.
* Involved in implementation of Test Automation Framework build using Selenium WebDriver, protractor to handle Angular JS, TestNG and Maven technologies under Java platform utilizing industry leading harness design patterns and approaches.
* Performed data driven testing by using JDBC as a data source in SOAP UI and configured SQL queries to fetch data from the Oracle database.
* Developed Tested the various Service Oriented Architectures (SOA) spanning across various web services using SOAP and WSDL across various applications using SOAP UI.
* Involved in setting up test environment for automated script execution using Java, Appium collaborating with development team and project managers in test execution and communicating all the issues.
* Ensured the appropriate parties review and sign-off on test cases prior to test execution created manual Test Cases in HP QC for various User Stories based on Release and Sprint Plan.
* Involved in Agile Environment, attended stand up Meetings and retrospections sessions exported test cases from MS Excel to Quality center.
* Executed test cases and test scripts for manual and automation testing. Defects are raised in the HP Quality center for logging, tracking, and reporting bugs in the application.
* Executed Manual Test cases for Functional Testing and logged defects for the failed test cases wrote Manual Test cases for based on Functional and Business requirements.
* Developed Selenium Automation framework created a hybrid framework (Keyword and Data driven) on Selenium using TestNG identified the Test Cases along.
* Involved in testing the application utilizing the Scrum (Agile) methodology functional test cases for web application were automated with Selenium WebDriver.
* Used Selenium IDE for record and play to understand the Web application preparation and execution of test scripts using JMeter and SOAP UI tool to perform Web Services testing
* Writing the Test cases using the Element Locators, WebDriver methods, Core Java Programming Features and Test NG Annotations.
* Writing the test cases for Smoke test and Regression testing using Selenium Framework and helped the CI people to setup the environments for running the Smoke Test and Regression Test for Continuous builds
* Experience in Data Driven Testing, Cross Browser testing and parallel Test Execution Selenium Web Driver, TestNG and Selenium grid.
* Developed framework for TestNG and JUnit Frameworks for unit tests based on that improves the code user Story analysis and Story Point Estimation.
* Created Java based scripts for Selenium WebDriver with TestNG as automation framework used Firebug and Fire path for object identification and debugging the automation script failure in Selenium Web Driver
* Configured Jenkins build jobs to perform Continuous Integration and Continuous Delivery in the Application used JIRA for Project management and for bug reporting to log the defects.

**Environment:** Java/J2EE, VBScript, ALM, HP UFT, Oracle 11g, MS SQL Server 2008, SQL, Oracle SQL Developer, Windows Server 2008, and IIS.