**Rajneesh Kumar**

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Software Test Automation Developer,  12+ yrs

**Self contributor & Team Lead**

**About me:**

I have a rich experience of over a decade into Automation Testing domain. Have developed scalable and maintenance friendly frameworks for Selenium webdriver, SeeTest, RestAssured, WinAppDriver, QTP/UFT , LeanFT, libraries. Working as a self contributor as well as team lead roles.

**Platforms worked upon:**

**Automation Libraries/ Tools:**

Selenium Wd, LeanFT, RestAssured, UFT/QTP, SeeTest, WinAppDriver,

**Frameworks**

TestNG, BDD JBehave

**Languages:**

Java, VBScript

**SQL:**

MySql,

**Static analysis:**

Sonarqube

**CICD:**

Jenkins

**TestManagement:**

ALM, Jira

**Key Skills**

> E2E product automation testing with build tools.

> Worked on RestAssured, LeanFt, Webdriver, SeeTest projects.

> Worked on JBehave BDD framework.

> Developed keyword and data driven automation framework using Java and Vbscript.

> Worked on HttpsXML component for Api testing through VBS client.

> In-depth framework development experience in UFT, Selenium Webdriver

> Expertise in VBScript, Core Java, SQL, TestNG, Maven, HTML Report development

> Used Validation libraries for Json, XML.

> Database validation, Stored proc

> Well versed with Git and VPN

> Jira, ALM project management tools

> Planning and Estimation of work

> Risk and Impact analysis

> Handling Tech-Sales initiatives

> Guiding a team of around 10 resources.

> Maintaining various matrixes as part of progress indicators.

**Team Leading experience:**

* Building a team from scratch that meets the projects requirement.
* Understanding clients requirement and keep the teams momentum to achieve it.
* Early identifying of challenges withing the team.
* Working and handling multiple projects.
* Giving right feedback and improvement inputs to team.
* Clear communication among all stakeholders.

**PreSales Experience:**

* Understanding products core capability.
* Understanding the core pain areas of clients and fitting the products USP on those pain areas
* Establishing a POC and demo.
* Building up team to meet critical business requirements.

**Companies Worked on:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SN** | **Company Name** | **From** | **To** | **Last designation** |
| 1 | ScrumStart | Sep 2019 | Till date | Automation Lead |
| 2 | Qualitia Software pvt. Ltd. | Feb 2016 | Sep 2019 | Lead QA |
| 3 | Infrasoft Technologies | May 2013 | Feb 2016 | Consultant |
| 4 | Cognizant | Dec 2007 | May 2013 | Associate |

**Key Projects Handled:**

**#ScrumStart: Enhancement of jBehave BDD framework for Mobile automation using SeeTest [6 months, Lead/Team contributor]**

We have native mobile and ios application which is the primary primary AUT. After performing operation we have to make final validation in chrome.

- Framework is built on jBehave/Extent Reporting/Gradle.

- Execution of the completed test is done through Jenkins.

- Extended an existing framework on Selenium to build a hybrid framework that suits the requirement

- Implemented jBehave feature on top of the existing POM framework.

- Used SeeTest cloud environment to connect to iOS and android devices.

- Maintaining application locators in separate files so that one test can be executed on both ios and android platform.

- Worked on chrome as part of the final validation.

- Code review and dry analysis is done through Sonarqube.

**#ScrumStart: Development of Hybrid framework using using Selenium, LeanFT and WinappDriver[6 months, Self contributor and TeamLead]**

Applications that needs to be automated are Web applications, Thick Client and a Rest Services. Data flows among all these applications. In order to support the end to end automation we are integrating Selenium, LeanFT and Restassured libraries,

- Framework is built on TestNG/Java/Extent Reporting/Gradle.

- Execution of the completed test is done through Jenkins.

- Extended an existing framework on Selenium to build a hybrid framework that suits the requirement

- Gradle is used as a build tool

- Handling complex REST service test data through data driven approach.

- Extent reporting is used for reporting.

- Automating scripts that is available in ALM

- Using git for version controlling.

- Building a team to increase development velocity.

**#Qualitia: Development of REST keywords using RestAssured  [1.5 years , Team work, main Contributor]**

We have an existing Keyword driven framework for working with Se webdriver. We extended the framework to enhance for REST api testing fo basic HTTP methods such as GET, POST, PUT and DELETE.

- Implemented a design for restassured library in existing keyword framework so that rest api testing can be done through keyword driven approach.

- Worked on Postman to perform the API tests manually.

- Added helper classes for Rest actions, Json and XML validations

- Added provision for various types of authorization for HTTP connection.

- Handled static and dynamic header elements.

- Worked on redirect APIs

- Handled both http and https calls.

- Validated response time, body and other returned data through json path.

- Handled response to provide easy to use actions for validations.

- Handled redirections.

- Testing conducted on in-house License services and Jira api.

- Review and code refactor.

- Worked with UI-UX and front end dev team for the end to end product development.

**#Qualitia: Using Rest API to test dependent services.  [1.5 years , Team work, main Contributor]**

We had to test the Qualitia license server endpoints using Rest Assured. We developed a BVT test pack which executes as part of BVT test. Later we used this framework to test out in-house micro-services.

- Implemented a maven based TestNg project.

- Created tests using TestNG @Tests.

- Managed the TestNG tests through suite.

- Externalized the test data in MySql DB.

- Hamcrest validation library is used.

- Postman is used for manual execution

- Developed core framework engine in Java.

- Used custom reporting in HTML file.

- Debugging the java codebase in case of exceptions.

-  Code review and traciability matrix.

- Managed the work in Jira.

- Writing Custom util library for json validation.

**#Qualitia: Applying REST APi testing capability in UFT framework   [6 months, Self Contributor]**

We had REST api keywords available for the Java framework. But we also had another engine for QTP that was on QTP framework. So we had to bring the capability of REST api keywords to QTP framework.

- Worked on basic Spring boot web server application.

- Designed a microservice which can host the Java framework and maintain the execution session.

- Developed end points in springboot controller.

- Hosted the service as a executable JAR.

- Consumed the service through VBScript framework

- Designed a odel which can make synchronized communication between VBS and java REST keywords.

- Managed the Execution lifecycle through VBS actions

**# Qualitia: Crawler development and Action Generator using Selenium, Java and MySql [6 months, Self Contributor]**

It’s a small utility project developed with Selenium Webdriver  to apply the crawler functionality to help web application and after scraping the data we put it to db and fire stored procs to determine the change from the last release.

- A maven based project.

- MySqldb used to store the data that came from the web app.

- Expected data were hosted in local db

- Diff between the hosted db and scrapped data is performed using sql commands.

- Unit testing performed by the stored proc.

- UFT was used to perform the unit testing.

**# Qualitia: WinAppDriver: Product migration Automation using WinAppDriver with C# binding [4 months, Self Contributor]**

It’s a small testing framework on top of WinAppDriver using C# and nunit to test the product migration issues.

- Framework is based on C# and nUnit.

- WinAppDriver is used for UI automation side.

- Testing was covered key product features , XML and DB schema validation, Result Db and runtime XML validation

- Reporting was not a gui, it was presented through a text diff file.

- This utility ran from command line upon the build deployment.

**# Qualitia: Core Engine Development in QTP project with VBScript [3.5 years, Team Work, Self contributor]**

The core engine of the product  'Qualitia for Desktop' was re-built and several features added.

- It’s a QTP/ VBS project.

- It’s a complete framework for QTP script execution developed in VBScript.

- Input to this framework are various XML files and configs.

- Input comes from UI in the form of xml and configs, and performs the execution of the complete suite andgenerates a report in csv format and this csv file is consumed by UI to generate the report at the end of execution in HTML.

**# Infrasoft: Omni2.0 web application Automation using Selenium[1 year, Team work, Main Contributor, 6 months]**

The main web application of Infrasoft had zero automation.  Developed a basic POM based framework and handed over the QA to test.

- Maven based project with Page Object Model and Page factory.

- data was stored in excel file

- testng reporting was used for the framework report.

- Jira test cases were used as a source of truth.

**# Infrasoft: Tullette product automation, QTP [Team Lead, Self-contributor, 2 yrs]**

It’s a IB domain product. Did automation of the major testable areas.Used some Java Listeners to listen the end point xmls and validating it with the input data in excel file.

- QTP Automation framework mainly data driven.

- VBScripting

- Html reporting

- Java listeners integration to enhance the automation coverage.

**#Cognizant: JPMorgan: Migration from QTP to Selenium [Team member, 2 years]**

It was a web based application, automation was done on QTP, business wanted to shift to WD.

- Worked of utilizing and enhancing the existing framework to suite the business requirement.

- Developed and maintained Test scripts through a POM based framework.

- We did not completely migrate but kept the web automation through Selenium and rest through QTP.

- QTP Tests used to get triggered from ALM/ QC

**# Cognizant: JPMorgan: QTP [Team member, 1.5 years]**

Automation of the main business application which was in web  using QTP.

- Worked on Data driven framework using QTP

- Worked on Complete end-to-end automation cycle.

- QC integration.

**#Cognizant: Credit Suisse: QTP automation [Team member, 3 years]**

- Learnt the automation basics and worked with the existing automation team on writing test cases.

- Worked on reusable components

- Execution and Report analysis.

**#Cognizant: T-System [Team Member, 1 year]**

- Worked as manual tester.

- Writing and reviewing Test cases.

- TC execution and report preparation.

**Education:**

B.Tech, Electrical&Electronics Engg, SMIT, 2007. 77%