Tell me about yourself?

framework? -> I have provided in separate document.

roles and responsibilities?

tech and tools?

about project?

why leaving company?

what are the challenges you faced?

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**Tell me about yourself?**

I am (name) working in (company name) having 7.2 years of Experience in Banking and Financial in Manual and Automation Testing.

6 years of experience in Automation using selenium along with Java and 1.2 in manual testing.

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**Tools and technologies:** Selenium with Java as a programming language.

SQL, API Testing, Postman, HP ALM, JIRA, Unix, Jenkins, Maven,

**Frameworks**: Test Ng, Data Driven, Page Object Model, Key word Driven and BDD (Behaviour Driven Development).

**Refer below website for BDD Cucumber:**

<https://www.guru99.com/using-cucumber-selenium.html>

Explain about your frame work ?

Experience in Designing the Hybrid framework from scratch using selenium with Java.

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**Roles and responsibilities?**

->Attending Sprint Planning, Spring Grooming, Daily Scrum calls as part of Agile Practise.

->Designing the test cases based on the Business scenarios and flows in an application (banking, telecom, insurance, health care domain. Etc)

<https://www.gcreddy.com/2021/02/domain-knowledge-for-software-testers.html>

->Participating in Test Strategy, Test Plan and Efforts estimation.

->Executing the test cases and reporting the defects in HP ALM, JIRA, TD.

->Designing the Automation Scripts according to the business/E2E flow in an application.

->Executing the regression/automation scripts and identify the bugs/defects in various modules across the application.

->Coordinating with Global Teams and Communicating with them in order to gain Business knowledge and submitting our deliverables with given time.

->Isolate, Replicate, Re-test the defects/bugs in an application.

->Giving the demo to the Product Owner or Stake Holders.

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**About Project? ->** we have to search for domains and projects in internet. visit <https://www.gcreddy.com/2021/02/domain-knowledge-for-software-testers.html.>

**Banking Project**: ours is bank of America retail Banking/Investment banking which is serving the customers across the globe. The application functionality is different.

According to region (eastern/European/Asian). The project is about the services provided to internet banking users like FD, car loan, gold loan, credit card, home loan, fund

transfer, ATM.

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**why leaving company?** -> For Professional and Personal Growth -> I would like to utilize my skills in contributing for growth of company.

I want to be a part of team where i can utilize my skills for the growth of the organization and I would like to enhance my skills by working together.

with skilled professionals. I was habituated with the current work and team. I think that I am going in safe mode. I would like to take some challenges work.

In order to upskills myself.

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**what are the challenges you faced in manual and automation?**

**Automation**:

1. Identifying the web elements uniquely is challenge.

I am using relative XPATH, in built functions of XPATH like contains text, starts with function, ends with , parent, child and ancestors , siblings.

2. synchronization :(script need to be in sync in application loading time/ response time)

Explicit wait, Fluent wait, Thread. Sleep, implicit wait

<https://www.browserstack.com/guide/wait-commands-in-selenium-webdriver>

3. Designing the framework by following the guidelines is a challenge

I will be organizing the code in structured way (segregating/separating the test data and test scripts, maintain the object repository separately, writing the common

functions which are being used across teams in all modules of an applications

4.Executing the scripts parallelly in various browsers across different Operating systems

Browser Stack, Selenium Grid

5.Test Data preparation according to business flow, environment, modules.

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**Selenium Interview Questions**

1.What are the locators in selenium? which locator is preferred (id or name) and which locator is faster? (Id, CSS, relative x path)?

CSS is faster than xpath

Xpath is preferable than CSS

CSS cannot traverse upwards/backwards in DOM

Xpath can traverse upwards/backwards in DOM

2. What are types of waits in selenium? (How will u resole application is slow and internet is slow, how will your scripts to work)

<https://www.browserstack.com/guide/wait-commands-in-selenium-webdriver>

3. Explain selenium suite?

**IDE, Selenium RC, WebDriver, Selenium Grid**

4. Explain selenium hierarchy?

Interfaces and classes and abstract methods. -> **Refer src/test/resources in our project**

5. Selenium 3 and selenium 4 differences?

https://blog.testproject.io/2021/06/01/selenium-3-vs-selenium-4/

6. what are the features included in selenium 4

https://blog.testproject.io/2021/06/01/selenium-3-vs-selenium-4/

7. how will u handle dropdowns?

One way: using select Class

Other way: Visit library functions inside utility package in our project.

8. how will u handle frames? (What is the tag name of frames)

Iframe is the tag name.

Scenarios questions?

Handling frame inside and another frame?

Refer test cases that we have designed in our project

Handling multiple frames?

Refer test cases that we have designed in our project.

9. how will handle windows?

Refer test cases that we have designed in our project.

10. how will execute scripts in headless mode?

Refer test cases that we have designed in our project.

HtmlUnit Driver is the fastest way of executing the scripts in headless browser mode.

11. how will handle mouse operations.

Using Actions class (Refer test cases that we have designed in our project.)

12.Webtable related questions based on the scenario.

Refer test cases that we have designed in our project.

13. Alerts

Refer test cases that we have designed in our project.

14. what is data driven and when u should for data driven (for bulk data or huge amount of data we should go for data driven). Explain what are the classes used? (Apache POI library)

Refer test cases that we have designed in our project.

15. what is POM. what is the purpose of it? (To obtain object repository (locators in one location/file)) and use with @findBy annotation?

Visit and practise content given in below website.

<https://www.guru99.com/page-object-model-pom-page-factory-in-selenium-ultimate-guide.html>

16. order of executions of annotations in test Ng (@Before STC M @Test M CTS @After)

Refer testNg PPT

Refer test cases that we have designed in our project

17. if there are 10 test cases, and I want to execute only 3 of them, how to execute?

One way: configure testng.xml file and include 3 test methods.

Other way: using groups. Group the test cases that you want to execute in one Group and Execute with testNg.xml file

18. if there is 10 test cases, and I don’t want execute 3 of them, how to execute? (go to the testNg class and @Test (enabled = 'false') or use @Ignore annotation

19. what is the purpose of data provider and when u will use it?

->applicable for one @Test (individual test case) we are going to use when we want to execute the same test case with multiple sets of data. we will prefer this approach if the test data is limited.

Refer TestNg PPT

Refer test cases that we have designed in our project

20. what is the return type of data provider?

Return Type is [] [] array object.

21. what is the purpose of page factory and when u will use it? (Applicable for all @Test present in class)

22. what is the return type of factory? []

Return Type is [] array object.

23. what are the types of xpaths?

Absolute and Reative Xpath

Absolute ---🡪 /hmtl/body/table/tr/td

Reative ---🡪//tagname[@attributeName=’value’]

Absolute xpath is faster than relative because it is going to start from starting of the html.

Relative xpath is recommended to use than absolute xpath because it can be started any where in DOM and changes of changing is very minimal.

Visit Below Website for complete guidance:

<http://pragmatictestlabs.com/2020/01/28/mastering-xpath-for-selenium-test-automation-engineers/>

<https://www.lambdatest.com/blog/complete-guide-for-using-xpath-in-selenium-with-examples/#none>

24. what are the API's (soap and rest)

<https://www.restapitutorial.com/httpstatuscodes.html>

[**Rest API Testing (Automation) from Scratch-Rest Assured Java**](https://www.udemy.com/course-dashboard-redirect/?course_id=694982)

Rahul Shetty - Author

https://www.udemy.com/course/rest-api-automation-testing-rest-assured/learn/lecture/6626788?start=15#overview

25. API tools (postman and Soap UI)

Practise with <https://reqres.in>

26. How to automate API (Rest Assured Library, karate, Cypress (both API and UI web applications)

27. explain BDD cucumber?

Feature files (scenario, scenario Outline, Given, When and Then)

Step Definition files (we are ging to write scripts for each and every Given, When and Then)

Runner file (cucumber options)

(Using scenario outline we can achieve data driven approach)

(Using tags we can achieve grouping the test cases)

(Using features we can specify the features files taken into consideration)

(Using step definition we can specify the step definition files taken into consideration)

<https://www.guru99.com/using-cucumber-selenium.html>

28. how will identify broken links (if there are 25 links in webpage, how will you test and identify links which are working and which are not working)

Refer test cases that we have designed in our project

29. will selenium handle windows-based pop up (file explorer)? No, but with help of Auto IT, Sikuli or Robot Class (File Upload))

Refer test cases that we have designed in our project

30. How do you download files in selenium?

Refer test cases that we have designed in our project

->**Chrome Options**: use it for changing the settings of browser.

31. which cannot be automated or not recommended to be automated (bar code, Identification of images, Robot authentication (37+6 = 43) OTP, end user identification/authentication)

31. how will execute the scripts in parallelly?

Visit testNg PPT and Refer testNg test case java files and xml files that we have designed in our project

32. how to segregate the scripts according to groups?

Refer testNg test case java files and xml files that we have designed in our project

33. how will execute the failed scripts in selenium/tests? (testNg by default it will be generating testng-failed.xml, by executing it we can able to re-execute the test cases that are failed)

34. how will you execute the scrips in multiple browsers? (Firefox, chrome , IE) (selenium Grid, master and slave architecture)

Take tesNg parallel classes .xml file

35.Supermost interface in Selenium

Search context

36. screen shot and java script Executor.

**Java**:

1. static, this, constructor, super,

2.basics programs related to string

3. OOPS concepts (abstraction, inheritance, poly morphism, interfaces and encapsulation)

4. go through all the files present in src/test/resources

5. difference between CSS and xpath ?

CSS cannot traverse upward in DOM

xpath can traverse both upwards and downwards in DOM

6. Exceptions in Java and Selenium?

Selenium exceptions : visit src/test/resources

Also refer: <https://www.javatpoint.com/exception-handling-in-java>

7. super most class in Java?

Object class.

8. what are collections using, u are familiar with (list, set and hash map)

Also Refer <https://www.javatpoint.com/collections-in-java>

<https://www.youtube.com/watch?v=B4WmfcjQ9QA>

9. String vs String Buffer vs StringBuilder

10.Types of Exceptions in java ?

Checked and Un Checked Exceptions in JAVA.

11. try , catch, multiple catches scenarios based questions.

12.final, finally, finalize

13. throw and throws

14.Collection Hierarchy & framework

15. List vs Set

16. Hashmap and hashtable

17. Priority Queue and Deque

18. Array List Vs Linked List

19. Serialization and Deserialization in Java

<https://www.geeksforgeeks.org/serialization-in-java/>

20. Why Java is Platform independent

ByteCode.

Programs:

1. Fibonocci series
2. Palindrome
3. Even or odd
4. Factorial
5. Questions related to java Strings

String str = “How are doing , Are you ok ?”

Write Programs for :

->how many times each character is repeating?

-> how many times each word is repeating?

->how many empty spaces are there ?

->revere the entire string without using reverse method in java.

->revere each words in a string.

**Refer Mock Interview**:

Automation selenium mock interview

How many tests cases u can automate per day (6 to 8 hours)?

Based on the number of validations (example 5) I can be able to automate 2 test cases per day.

Programs:

<https://www.geeksforgeeks.org/top-50-string-coding-problems-for-interviews/>

<https://soshace.com/top-12-string-programs-for-your-next-java-interview/> **-> Very Important**

<https://www.javatpoint.com/java-programs>

**Use Full Links:**

<https://www.testingxperts.com/blog/selenium-4>

<https://blog.testproject.io/2021/06/01/selenium-3-vs-selenium-4/#:~:text=The%20biggest%20difference%20between%20Selenium,community%20that%20develops%20web%20standards>.