**Tell me about yourself****:** I have around 6 yrs of experience as a QA, I have been mostly working on UI & backend testing. I have been using selenium for UI testing and for back end I have used HTTP client and REST assured for REST API testing. Currently I am working in GE for around an year when I am mostly working on back end REST API testing using RESTAssured automation tool.

Product Name: Renewable Forecasting

I am working in renewable energy of GE business, where we are developing an application which is used for forecasting the enrg requirement of all the assets like windturbine. So, basically GE has lot of customers who have deployed wind turbines all over the world. What I do is, I work on a UI application along with the REST service which gets the wind turbuine performance data along with the weather data of respective turbines from the locations on hourly basis, which we use to put it in algorithim to calculate the next 1-hour, next 12 hours & next 24-hour forecast of energy requirement.

Customer: Exelon

Intuit:

I was working in a categorization team, I used to work on service which categorises banking transactions depending upon merchant name, type of amounts etc. First, I worked on REST services, which categorises any type of transaction which we throw or which we give it to categorize. Also, worked on the Quickbooks UI we wrote sutomated tests to verify the transactions get categorized correctly. Also, worked on quickbooks accounting application. Quickbooks is accounting software.

Hit POST to check if transaction categorises properly

David , mike, nandini0

**Why QA?** Initially I was hired on campus and that was my entry point in the software industry and as I worked I picked up interest along the line.

**Why would we hire you?** Self-motivated

**If you have a lots of backlogs, how will you handle pressure**: I always discuss the work with m scrum master and my service owner and understand the priority of user stories or tasks and discuss this in backlog grooming and what tasks should I include in this Sprint according to the priority.

**Bug solved while you were working:** There is a Health checker for every instance which was provided by DevOps and it used to return the status for that instance with its build number. There was an issue which used to come up only in the production environment and not in any of the other environments. When I checked the responses from health checker, I found that on one of the instances the build number was different. Whenever, the loadbalancer selects thet particular instance, there was a mismatch of build number. On the remaining instancesthe build number was correct. I reported this issue to DevOps and to overcome this issue I suggested to create a tool which will check the validity of build number with that particular instance.

**What is your approach when youdo API testing**: The way I work is we have services and sometimes there is documentation and some times there is not, I have put up a collection of services in postman which are used for smoke testing and also as a lookup tool. So, I startautomating all the services which we have and then depending upon those scenario I call those services and write tests by adding those in respective suites. First thing I verify is response code and what is actual response body and compare with actual output.

Framework:

QA

JIRA : testcase document  
integrated jira did jira integration with our automation framework. Calling jira API to update the status

Instead of updating the status of our test cases manually in jira, I integration JIRA with our automation framework, which saved us a lot of time and we were able to deliver the results before time. With help of JUNIT methods for JAVA, we can get the status and ticket num of test case and I used this in the after test of base class where with the help of RESTassured I used POST method to post the status of each test case. Everyone started using this which saved us a lot of time.

Adding helper method wherever required

Data driven we don’t neeed to repeat tests

That’s why we use testng

I am agile and very fast learner it helped me learning new things

For that I will need to spend moe time understanding even outside of work timings

I wil communicate well with the evelopers

First will individuslly test A and then study whats the output of B

Difference betwenn driver.quit and driver.close also with the product owners

Catch up with the stories

So thati will understand what is going on

webDriver.Close() - Close the browser window that the driver has focus of

webDriver.Quit() - Calls Dispose()

webDriver.Dispose() Closes all browser windows and safely ends the session

**How to get the data from excel file**To read or write an Excel,Apache provides a very famous library POI. This library is capable enough to read and write both**XLS** and**XLSX** file format of Excel

File  
FileInputStream  
Workbook work =new HSSFWorkbook(inputStream);

**Handle Alert**

driver.switchTo().alert().dismiss();

driver.switchTo().alert().accept();

driver.switchTo().alert().getText();  
driver.switchTo().alert().sendKeys("Text");

**how do you launch a browser in selenium webdriver?**System.setProperty(“**webdriver.chrome.driver for Chrome browser**

**webdriver.ie.driver for IE browser”,”path.exe”);**

**Webdriver driver = new ChromeDriver (instance of driver)**

)

**How to clear a textbox?**   
searchBox.clear();

**How to handle popups?**  
**Driver.getWindowHandles(); or getWindowHandle();  
Return type is Iterator<string> or string**

Set<String> s1=driver.getWindowHandles();

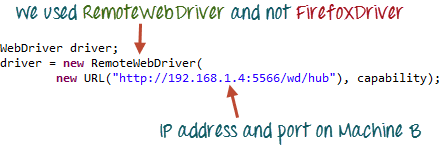
Iterator<String> i1=s1.iterator();

**How do you implement selenium grid?**

Download selenium RC server  
Launch it on hub machine   
verify whether the hub is running by <http://localhost:4444/grid/console(dialogue> box)  
now, launch the node on machine 2 by entering the IP of hub machine  
hence, simple grid is created.

To design test scripts that will run on the grid, we need to use DesiredCapabilites and the RemoteWebDriver objects

DesiredCapabilites is used to set the type of browser and OS that we will automate

RemoteWebDriver is used to set which node (or machine) that our test will run against  


* Selenium Grid is used to run multiple tests simultaneously on different browsers and platforms.
* Grid uses the hub-node concept.
* The hub is the central point wherein you load your tests.
* Nodes are the Selenium instances that will execute the tests that you loaded on the hub.
* To install Selenium Grid, you only need to download the Selenium Server jar file - the same file used in running Selenium RC tests.
* There are 2 ways to verify if the hub is running: one was through the command prompt, and the other was through a browser
* To run test scripts on the Grid, you should use the DesiredCapabilities and the RemoteWebDriver objects.
* DesiredCapabilites is used to set the type of browser and OS that we will automate
* RemoteWebDriver is used to set which node (or machine) that our test will run against.

**What will you do if the element is not visible on the page?**

|  |  |
| --- | --- |
|  | For scroll down:  WebDriver driver = new FirefoxDriver();  JavascriptExecutor jse = (JavascriptExecutor)driver;  jse.executeScript("scroll(0, 250);");  or, you can do as follows:  jse.executeScript("window.scrollBy(0,250)", ""); |

**Where is drag and drop used in Selenium?**Actions builder = new Actions(driver);

Action dragAndDrop = builder.clickAndHold(someElement)

.moveToElement(otherElement)

.release(otherElement)

.build();

dragAndDrop.perform();

**What is selenium / Selenium webdriver?**

Selenium is a free (open source) automated testing suite for web applications across different browsers and platforms

WebDriver is a web automation framework that allows you to execute your tests against different browsers, not just Firefox.

**What is xpath?   
XPath** is defined as XML path. It is a syntax or language for finding any element on the web page using XML path expression. **XPath** is used to find the location of any element on a webpage using HTML DOM structure

Exceptions

**Alternative for Click**yourelement.sendKeys(Keys.RETURN) or .sendKeys(Keys.ENTER)

/ and // absolute and relative path

**Window forward and backward,**driver.navigate().back();, driver.navigate().back();

**How to implement right click**Actions oAction = new Actions(driver);

oAction.moveToElement(Webelement);

oAction.contextClick(Webelement).build().perform(); /\* this will perform right click \*/

WebElement elementOpen = driver.findElement(By.linkText("Open"));

How to upload a file   
see the code

Framework,dataprovider, JIRA, Testcases, project end, no of sprints, duration of project

Testcases testplan GIRA-CONFLUENCE

Test plan: scope, module, user story, steps

Developers use which technology : Spring(backend), UI(AngularJS)

Code stack of product, Architecture