**Tek School of America**

**Tell me about yourself?**

I have been in QA industry for more than 8 years now and I am currently working as Sr. QA Automation Engineer at NBT Bank.

In my current role I support Automation team we are using Selenium and Java for UI Testing.

The Framework I am currently working on it is hybrid Framework where we use Cucumber with POM. The main components of my current framework are Feature File, where we write our scenario and Scenario outlines, we have Step Definitions where we write our test steps and for Object Repository, we use POM (page object Model) design pattern. We follow POM because of easy maintenance of codes and if any changes coming to UI elements, we can easily refactor in one class.

The way we implement POM is we have separate java classes for each page of our application, and we store elements using Web-Element and then we write required actions with public methods. We use @findBy annotations of page Factory to implement the POM.

We have Test Runner where we run out scenario and Scenario outlines using Cucumber Tags. And we have Utility classes such as JDBC to connect to Database, Screenshots, Excel utilities using Apachi POI.

We use Maven for Build management tool where we store our Required Dependencies and plugins in POM.xml. file and for Reporting parts, we use Cucumber JVM Extent Report.

We use GIT and GIT hub for version control where we push our codes. We use Jenkins for CICD where create a job and on prebuild we provide URL of GitHub repository and build the job. We are mainly automating Regression and Smoke Test Suites.

< Talk about one of process for API either ReadyAPI or Rest Assured for one of your projects>

🡨-------------------------------For ReadyAPI process--------------------------------------------------🡪

For API automation we use ReadyAPI tool which is paid version of SOPA UI. The flow for API automation is that we add all services in Rest project. Then we create a Test Suite and inside Test suites we have test cases and for each test case we add test steps. for Data setup we use Data source of ReadyAPI and for hitting the server we use HTTP request method. On our automation we validate Response code, Response Body using ReadyAPI in built assertions. Once we get response, we connect to Database using JDBC connectivity step. We do End to End testing with comparing request against Database.

**🡨-------------------------------For Rest Assured------------------------------------------------------🡪**

For API Automation we use Rest Assured library with Cucumber framework. The way we implement Rest Assured with Cucumber is we have separate POJO classes for request bodies and hit end points with HTTP methods and once we get the response, we validate Status code, response headers and response body with deserialization of JSON response.

**We are following Agile methodology**. We are team of 7 people. (4 dev 2 QA, Business Analyst, scrum master) and product owner or PM. We are following all agile ceremonies where we have 10-15 min scrum every morning. We answer three basics questions what we did yesterday, what are we working today and any blockers. Our sprint is 2 weeks, and we have sprint planning one sprint in advance where we plan for sprint backlog. After each sprint we have sprint retrospective (retro) and Demo when we are done with a feature, usually after two sprints. We are using Jira for Bug tracking tool.

In my previous company I was working as <Position> with < name of Company> and we were working with TESTNG and POM framework. < Explain the TestNG Framework Flow> Before that I was working as <Position> with < name of Company> as a Manual Tester < Explain the Manual Testing process>.

**TestNG Framework Flow Explanation:**

**Previous Company:**

- The framework I was working on in my last project was a Data Driven Testing approach where I used the TestNG framework for it.

- I used an Excel file to pass data using TestNG Data Provider and Apache POI libraries. I used required TestNG annotations throughout the testing process, we have @Before and @After annotations. I had a TestNG.xml file where I was running my Test Cases, and I used Maven for build management tools where I stored the required dependencies and plugins in POM.xml and for reporting, I used Extent Report.

@BeforeClass @AfterClass

@BeforeSuite @AfterSuite

@BeforeGroup @AfterGroup

@BeforeMethod @AfterMethod

@BeforeTest @AfterTest

**And my first job was as manual Tester**

where I started working in QA field. I was working with Waterfall methodology and mainly working with team of testers. I was involved in all stage of testing from test creation, test execution, and test reporting. Also, raising defects and retesting them once it was fixed.

Question from interviewer:

1. What frameworks and tools do you use?
2. What is your expectation from me in this role?