**HSBC Senior Software Engineer (QA Automation) - Interview Preparation Guide**

**Position:** Senior Software Engineer (GCB5)  
**Location:** HSBC Pune  
**Experience Targeted:** 10 years (Automation, Java, Selenium, Appium, API Testing)

**✅ Round 1: Technical (Automation Fundamentals & Framework)**

**Topics Covered:**

* Java OOPs Concepts
* Selenium WebDriver
* TestNG / JUnit
* Cucumber (BDD)
* Framework Design

**Sample Questions:**

1. **Explain the design of your current automation framework.**
   * Hybrid framework (Data + Keyword + Page Object Model)
   * Maven + TestNG + PageFactory + Extent Reports
   * Integrated CI/CD (Jenkins) and reporting
2. **How do you handle dynamic web elements in Selenium?**
   * Using dynamic XPath, WebDriverWait, FluentWait
   * Example: driver.findElement(By.xpath("//div[contains(text(), 'Submit')]"))
3. **What is the difference between implicit and explicit wait?**
   * Implicit applies globally; explicit applies to specific elements.

**✅ Round 2: API Automation + BDD Testing**

**Topics Covered:**

* REST API Testing
* REST Assured
* Postman basics
* Cucumber with API

**Sample Questions:**

1. **How do you automate REST APIs using Java?**

Response res = given()

.header("Content-Type", "application/json")

.body(jsonPayload)

.when()

.post("/api/v1/create");

System.out.println(res.getStatusCode());

1. **Write a step definition in Cucumber for API validation**

@Given("^User calls createUser API$")

public void user\_calls\_create\_api() {

response = given().body(payload).post("/api/create");

assertEquals(201, response.getStatusCode());

}

1. **How do you validate a JSON response?**
   * Using JsonPath or POJO deserialization
   * String name = response.jsonPath().get("name");

**✅ Round 3: Mobile Automation with Appium**

**Topics Covered:**

* Appium Architecture
* Desired Capabilities
* Real Device vs Emulator
* Gestures & Sync

**Sample Questions:**

1. **Write Java code to click a mobile element using Appium**

MobileElement el = driver.findElement(MobileBy.AccessibilityId("Login"));

el.click();

1. **What are desired capabilities in Appium?**
   * DeviceName, platformName, appPackage, appActivity, udid, etc.
2. **How to handle gestures in Appium?**
   * Use TouchAction class to swipe, tap, scroll

**✅ Round 4: Scenario-Based + Problem Solving**

**Topics:**

* Debugging test failures
* Test data management
* CI/CD with Jenkins
* Role-based discussions

**Sample Questions:**

1. **What will you do if your test suite fails in Jenkins every alternate run?**
   * Check environment issues, browser drivers, shared data/state
   * Add logs, retry mechanism
2. **How do you ensure test data consistency across environments?**
   * Use API setup hooks, DB reset scripts, environment-based config files

**✅ Round 5: HR + Salary Discussion**

**Expected Questions:**

* Why HSBC?
* How do you handle pressure?
* Current CTC / Expected / Notice Period
* Career aspirations

**Salary Range (GCB5 – Pune):**

* **Expected:** ₹24 – ₹30 LPA (based on 10 YOE and skills)

**Tips:**

* Revise BDD, Java basics, API automation
* Keep STAR format ready for scenario answers
* Be confident about your framework and team collaboration

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what should i write?