

**Client:** Infosys

**Technology:** Java/JEE

**Applied Training Tracks:**

1. Java Full Stack-AWS Next Gen
2. Java Angular/Enterprise

**Client Interactions:**

- Meet/Greets: no
- Interventions: no
- Showcases: no
- Online Assessment: yes

**Online Assessment**

Starting in 2024, Infosys now requires candidates to complete an online assessment prior to the interview.

**Details**

- Length: 1-hour
- Topics:
  - Java
    - Access Modifiers, data structures, threads
  - Spring
  - React
- Link is sent directly from Infosys

**Interview Format:**

- Varies, depending on interviewer
- Rounds: 1
- Duration: 30-45 minutes
- Evaluation consists of
  - testing candidates' skills in core Java with technical questions (most candidates do well in this area)
  - Coding challenges
    - You are given a problem to solve in your IDE on your computer (sometimes the interviewer prefers a generic Notepad open instead of a full IDE)
    - Looking for how they approach and structure the problem
    - This was an area that many associates were unable to complete

- asking about your practical usage of Angular and Spring Boot
- Ask about project work making sure the associate is familiar with all the technologies – end to end
  - If you’ve worked in a group, then you should still be able to explain all of the aspects of the project (frontend/backend technologies)
  - You should be able to explain anything on your portfolio. In a few instances, the interviewer pulled up the code for a feature listed on a portfolio and asked questions directly from that source.
- Mostly technical questions
  - SQL is a heavy focus
  - Java is a heavy focus
  - Angular/Spring are additional areas
  - OOP is a heavy focus; all interviewed should be able to articulate the difference between a class and an object, inheritance, polymorphism, abstraction, and encapsulation
  - AWS is a plus and not prioritized
  - Interviews may include scenario-based questions and live coding (usually over notepad; but you should have your IDE and screen-share ready)
- Questions on Projects
- Interviews sometimes stop abruptly. Please be thankful for the opportunity as the interviewer may do so to save time and have already made their decision.
- Interviewers may not appear during interview, due to scheduling, associates should show 15-minutes before and after the interview. The Delivery staff that schedules the interview may be present and will reschedule the interview if the interviewer doesn’t show.
- Associates are required to fill out a job application on Infosys portal and may get calls from Infosys recruiters; Please direct any requests back to your Delivery manager.
- Associates SHOULD NOT take notes
- Interview Questions
  - [Java Topics.xlsx \(sharepoint.com\)](#)

## Interview Prep

- Associates should review the above information (under Interview Format) and practice answering the sample questions mentioned in the Interview Questions excel sheet.
- Associates should conduct mock interviews individually by recording themselves and reviewing the recording to understand their answers
- Associates should conduct group mock interviews to get feedback from peers
  - Thoroughly explain your project and the role you played in it. Do NOT rely on comments such as “my team member did XYZ”. Focus on your contributions and make them stand out. You should be able to answer any question about how your project works and any code snippets that you would’ve written (even if your role didn’t cover it) for a specific function of the application.
- Associates should complete a variety of coding exercises without using an IDE as outlined below:
  - Write a function to reverse a string

- Write code to design an Employee class with a constructor that sets the name field
- Write SQL code to join two tables Employee(columns: id and name) and Department(columns: id and name) and return all records where the department is Marketing.
- Write a SQL query to return the third highest salary from an Employee table
- Write a code down on paper that will take an input list, count how many times an element appears in that list, and then output ONLY the elements that appear more than once, including the count itself.
- Write a SQL query on paper that will read from a table named User with columns "username" and "userid" and return another table with columns "username" and "username count" to count how many times a username appears in the User table.
- Write an SQL statement to match specific columns of one table to specific columns in another.
- Write pseudocode to retrieve information from an Employee table using C#?
- What message will be shown if you print "var x;" in JavaScript? Console.Log(x);
- What message will be shown if you print "y" that you have not declare that yet?
- Associates should complete a variety of exercises on a coding platform that emphasizes core language skills (HackerRank, codingames, edabit, etc.)
- Associates should work on projects that build APIs for simple CRUD methods using the preferred frontend framework

### Client Feedback

- Unable to write single line of code
- Simple SQL Query was not performed
- Asked about project responsibilities. He mentioned that all the responsibilities were carried out by other team members.
- No 'hands-on' approach –only theoretical
- Strong need for those who are comfortable coding
- Doesn't know Core Java concepts;
- unclear even on OOPS
- Rusty in all areas

### Trainer Tips:

- Focus on Foundations of Java, SQL
- Execute constant coding assignments, do not rely on Projects alone. Daily Coding Challenges are a great way to do this (recommended at least 3 times a week).

- Venkatesh mentioned the expectation of them being able to sort an ArrayList without a built-in sorting algorithm (not using any particular algorithm), or finding how many characters are in a string without using the built-in length method
- Also mentioned that he would be okay with associates looking up JavaDocs for specific methods or syntax, but that the logic would need to be from the associate
- Infosys Java panelists mentioned topics in need of improvement:
  - git, specifically collaborative use of git
    - merging, pulling, pushing (merging vs pulling)
  - Communication
    - Explaining project more comprehensively
    - use the [STAR method](#)
  - Java foundations, as have been previously emphasized, need to be strong
    - OOP concepts, classes, objects, encapsulation, abstraction, etc.
    - interviewer will already start writing someone off if they are not able to explain those topics well
  - reading and interpreting existing code
  - debugging and usage of dev tools (e.g., HTTP status codes)
  - more context surrounding testing (don't need an SDET level of testing experience, but should know that the testing processes and terminology are much more comprehensive than what they work with)
  - associates should be getting a good night's sleep before the interview; panelists notice when they look exhausted
- Make sure the associates can articulate their projects and can speak to every aspect of the full stack (front end and backend of project 2)
- Associates should be able to answer any of the questions from this sheet:
  - [Java Topics.xlsx \(sharepoint.com\)](#)

## Summary

Infosys is a large IT services company with a unique relationship with Revature where most associates are hired directly as opposed to billed monthly.

Interviews tend to not have live coding sessions and will **focus on Java and SQL**.

## About Infosys

Established in 1981, Infosys is a NYSE listed global consulting and IT services company with more than 279k employees. From a capital of US\$250, Infosys has grown to become a US\$ 14.91 billion (LTM Q2 FY22 revenues) company with a market capitalization of approximately US\$ 93.6 billion.

[www.infosys.com](http://www.infosys.com)

Infosys has a unique relationship with Revature in that many associates are directly hired by the corporation as opposed to being billed monthly.

The Junior Developer role that all hires will be interviewing for is described in [this job description](#).

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