Interview Questions from Candidate:

Algorithm question :

Increment String By One

Input : String01

Output : String 02

Input : String100

Output: String101

public static String increaseStringByOne(String input) {

if (input.isEmpty()) return "1";

if (Character.isDigit(input.charAt(input.length()-1))) {

int sum = (int) input.charAt(input.length()-1)-48;

int pow=10;

int i=input.length()-2;

while (i>0 && Character.isDigit(input.charAt(i))) {

sum= sum+((int) input.charAt(i)-48)\*pow;

pow\*=10;

i--;

}

return input.substring(0, i+1)+(sum+1);

} else {

return input+"1";

}

}

Most of other questions about Spring :

Spring Framework

Spring MVC vs Boot

Questions about Spring security from my project overview

Spring bean design pattern ( Inversion of control)

Questions about Big Data ( my experience) and NoSQL databases

Spring Context in Service class

Multithreading : Question about atomic and something else ( i don’t know what he was talking about)

Thread safe : how to make it ( use of synchronous)

Java : LinkedList vs List( implementation different doublylinkedlist vs array)

Feedback from Client of Interview:

Please see feedback on Younes:  
  
Spring/Java  
Does not know basics.   
  
problem solving  
could not answer correct for code snippet. Could not write code for a basic problem  
  
Communication  
Good  
  
Overall  
No"

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**Please see feedback on James: Selected for job**  
  
Java/Frameworks: 4/5  
He has very deep knowledge of Java8 and Spring framework. Knows what interceptors, Beans are in java and design patterns.  
  
Communication: 4/5  
Communication was good as he can explain things well and clearly. Also has the confident of explaining her points  
  
Data Structures/Algorithms(DSA): 4/5  
He was able to solve the two coding problems and explains other approaches to solve the problem effectively without any hints.  
  
Recommendation:  
Hire.

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**Interview question from candidate:**

import java.util.ArrayList;

//Array of integers [1,2,3,4,5,4,3,2,1] output: [1,5],[2,4],[2,4],[3,3],[5,1],[4,2],

public class InerviewDemo {

public static void main(String[] args) {

// TODO Auto-generated method stub

int[] input={1,2,3,4,5,4,3,2,1};

ArrayList<String> result=new ArrayList();

for(int i=0;i<input.length;i++){

for(int j=i+1;j<input.length;j++){

if(input[i]+input[j]==6){

result.add("["+input[i]+","+input[j]+"]");

}

}

}

System.out.println(result.toString());

}

}

Even they can't write the question

He just give me single array and ask me to display some sort of pair array

\*-----------------------------------------------------------------------------------------------------------------------------------

Please see Interview feedback on Tarekegn below. - Rejected  
  
The candidate had an okay level of understanding regarding basic java usage and syntax. He failed to elaborate on useful enterprise technologies, but experience may yield results when picking up common and some advanced use cases.  
The candidate lacked basic react js understanding of a page lifecycle.  
It took the candidate a while to even understand the coding question and then was able to write code but syntax was very poor and required assistance to get logical-looking psuedo-code and running solution. (Summing Pairs)  
I would not recommend the candidate.”

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Please see Interview feedback below: Selected for Job  
  
Java and Spring:   
Good with Java and Spring Technologies, doesn’t have much knowledge on Security stuff but showed interest in knowing how we are doing.   
He is been working with Walmart so has knowledge on how things work here on deployments.   
Algorithm’s and Data structures:   
He finished the 1st coding problem quickly and he completed the 2nd problem after giving some hints.   
Questions asked:   
1.    Valid parenthesis   
2.    Remove duplicates from a sorted array.   
Result: YES, we can move forward with him. "

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Interview Questions from candidate

new features in java 8

Spring Interceptor

Filter in Java 8

remove the dumplicate characters From The String

define if this array is in sequence

such as 1 2 3 4 is in sequence return true

1 2 3 5 is not so return false

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Interview Questions from Candidate

They asked me mostly about things in my project which I had described to them, they wanted to know what challenges we faced, how we handled certain processes.

As for coding problems, he had me do the braces problem and removing duplicates from a list.

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"Please See client feedback on John below.- rejected

1.Java 2.5/5

He has knowledge of core Java

2.Spring Framework:2/5

have experience with Spring MVC API's.Lack of indepth details of spring framework.

3. Algorithm/problem solving 2.5/5

He has descent knowledge on approach to solve basic algorithms but was not able to finish coding in the time provided.

1.Able to solve easy algorithm to remove duplicate in an arary

2.Not able to show efficient way to traverse through dynamic array to know whether the array elemnets are in sequence.3.

4.communication

Not Fluent

5.Recommendation: 3/5

No Hire. His skills in algorithms and coding isn't strong enough."

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Interview Feedback from Manager – Selected for Job

Communication: Duy communication was fine as he is articulate in organizing his ideas when speaking, also he is honest.

Java/Spring Framework: He shows good knowledge in java8 but little to basic knowledge in java spring, in addition he shows prospects of quick adaptability.

Data Structure Algorithm : was able to solve the two coding questions timely although his approach is ineffective but he has pretty decent speed in coding.

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"Please see client feedback on Yee below:

Java/Spring 2/5

She has knowledge of basic Java. Lack a depth in knowledge. Have decent knowledge of spring and its internal working. weak at design questions

Algorithm/problem solving 2/5

She provided inefficient solutions but was able to code at a decent speed.

communication

fluent

Final decision

No hire."

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Interview Questions from 1 Candidate – Selected for Job

java 8 streams

spring interceptor

and few annotations

How did you connect to database

how to save credentials of DB in various environments(dev,prod) I said in application.properties file

he asked me what to do since we can't expose the credentials outside. I said may be we have to encrypt them

how to mock private methods

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"Please see Interview feedback on Mequannint.  
  
Java/Spring  
Have a limited knowledge about Java and Spring. Knows the basic concepts of spring. Was not able to answer basic software development related question.   
  
problem solving/algorithm  
Was not able to solve the question correctly. Coding style reflects lack of practical experience  
  
Communication  
He was able to communicate fine. Answers could have been more organized.   
  
Final review  
No"

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Hongru – Interview questions – Selected for Job   
1. 2 algorithm problems on hash table and sorting algorithm  
2. Questions on Java  
asked about his previous experiences -Edited  
"questions are very simple, string manipulation and basic data structure problem"

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"Here is feedback from Sarnjay’s interview.  
  
Communication: Saranjay can explain things in a clear way and is direct  
Java/Spring Framework: Has good knowledge about Spring and Java and can answer questions pertaining to tools and frameworks we use on a daily basis.  
DSA: Saranjay didn’t seem too strong when it came to problem solving. He struggled with finishing up the problem one and wasn’t able to articulate his approach. Needs more hands-on practice with algorithms problem solving.  
Overall: We don’t think he’d be a good fit for a developer role at this moment."  
  
“We would need a basic IDE (Eclipse / IntelliJ / STS) where they can write some java 8 code and ability to inject spring dependencies.”  
  
Updated Requirement: Java mvc Spring Sam’s Club must have nosql preferably Cassandra  
Attention:  
For Java MVC Spring req, they are asking a lot of NoSql questions

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Ganbat - Interview Feedback  
  
Java & Framework: 0/1  
The candidate's skill and knowledge in Java and framework didn't pass the test. He's not familiar with indexing, and Java 8 feature and answered all questions wrong.  
  
Communication: 1/1  
Fluent communicator  
  
Algorithms:  
Easy: Reorder linkedlist into even and odd nodes. 0/0 The candidate skipped the question.  
Medium: 3 Sum find all solutions. 0/0 The candidate thought about it and gave up.  
Medium: validate BST. 0/0 The solution doesn't work.  
  
Recommendation:  
No Hire.”

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Hongru Interview Feedback:  
The candidate seemed able to explain basic and advanced Java concepts. Although he did not have any direct experience with Java 8+, he did have knowledge of their newer concepts and were able to at least explain some use cases, advantage and disadvantages.  
During the algorithm portion; although the timing was a bit lengthy, he showed a bit of skill in going through the problem set and explaining his solutions to each question.  
We were not able to go to in-depth regarding previous hands-on experience of more complex enterprise frameworks and technologies. What we were able to ask directly about, he seemed to express decent knowledge or at least great interest in expanding his current knowledge base. The timing of the interview hindered us in properly asking a nice set of questions, but I would recommend him."

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Kien Interview Feedback:  
“Java/Spring Frameworks: Kien had high level understanding of Spring and Database concepts and could explain well, but lacked deeper understanding/experience and could not delve into more technical details when asked further.  
  
Coding: Kien was good with solving the problem given with a minor edge case miss.  
  
Overall: We think he would not be a good fit for the team because he seems to be lacking hands-on experience/understanding with technologies we use.”

Interview Questions:

1. Introduce about yourself      
2. asking projects listed in resume      
3. what project was used Spring, Spring Boot, NoSQL      
4. What are differences between Rational DB vs NoSQL      
5. What projects was applied NoSQL in resume      
6. How to migrate data from Rational DB to NoSQL      
7. What is technical tool/technique used to migrate data from Rational DB to NoSQL      
8. What is biggest changllenge to migrate data from Rational DB to NoSQL      
9. Asking around the changllenge      
10. Algorithm code

no visa restrains, CPT/OPT is ok

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Updates on Requirement

Location: Bentonville, AR and Dallas, TX

* Candidate must know how to **write simple logical/algorithms problems.**
* Candidate should able to explain **the Java Object Oriented concepts** as well as different framework concepts such as **Spring, EJB, MVC etc.**
* Candidate should have good experience with **Relational and NoSQL databases.**
* Candidate should have good experience with **JUnit and other testing framework such as RestAssures, Cucumber, etc.**
* Candidate should have deep knowledge on **Git** as well as build tools mainly **Maven.**
* Candidate should able to explain the different tools such as **Postman, SoapUI, Insomnia**, etc. and their purpose of use.

Consolidated list of questions  
**Java Basics:**

1. Java exceptions
2. Java 8,
3. filter, map, reduce
4. collection
5. multithreading

**Java programming**  
1. Find the pair of integers in an array whose sum is x.  
2. Merge Sort  
3. <https://leetcode.com/problems/n-queens/>  
4. <https://leetcode.com/problems/sudoku-solver/solution/>  
5. <https://leetcode.com/problems/combination-sum/description/>  
6.. <https://www.programcreek.com/2014/04/leetcode-surrounded-regions-java/>  
7. Check a string contain 26 letters  
8. there are lots brackets in a string , check if all of these brackets are paired  
for example : {[()]} is paired , {(}) is not  
9. Find the length of max object in a list of objects  
10. Given a string return true if it contains all the alphabets from a-z  
11. First one was to check the valid parentheses  
12.Second one was to implement Math.pow(x,n)  
13. Reverse the string by words. Like : Hello World, output: World, Hello  
14.find duplicates in an array  
  
**Spring:**  
1.Dependency Injection  
2. IOC Container  
3. How to validate request header in Spring?  
4.difference between spring and spring boot  
5. Explain Bean lifecycle in Spring framework?  
6.How to get the id field from headers and store it to a variable ?  
7.RestController vs controller  
8. Questions from the previous project, How you secure rest API. Spring Security Configuration.  
9. Http Methods and when you will use what.  
10. When you will use Post even if you only want to get data not posting.  
11. Singleton. Which scenario?  
12. (From the previous project) How you will determine the user credentials.  
  
**Hibernate:**  
1. Many to Many relationship  
2. Hibernate Cache  
  
**Design pattern:**

1. design Solar system
2. design a parking lot
3. What is a singleton design pattern?
4. Composite design pattern
5. Strategy Design pattern

**Puzzle:**   
1.building the wall with 2 kind of bricks ,short one is 1x1 size long one is 1x2 size the short need to build next the long given the length of the wall specify how many ways to build it  
2. We have a list of candidates name, your mission is finding candidates voted more than half of the list of candidates.

|  |
| --- |
| Java Walmart - Laxmi Pavan Suggala - Interview Questions |
| 1) Find the pair of integers in an array whose sum is x. |
| 2) Merge Sort |
| 3) Java exceptions |
| 4) Spring Dependency Injection |
| 5) Hibernate Many to Many |
| 6) Hibernate Cache |

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Interview questions from Hoan  
1) Algorithm part:  
  
- We have a list of candidates name, your mission is finding candidates voted more than half of the list of candidates.  
- NQueen or Sudoku problem. The link here:  
<https://leetcode.com/problems/n-queens/>  
2) Technical part:  
- What is a singleton design pattern?  
- How to validate request header in Spring?  
  
3) Culture Fit part:  
- Some behavior questions.

|  |
| --- |
| **van:Walmart: Java** |
| 1 question is building the wall with 2 kind of bricks |
| short one is 1x1 size |
| long one is 1x2 size |
| the short need to build next the long |
| given the length of the wall |
| specify how many ways to build it |
| another question is test whether a Sudoku solution is valid or not |
| 3rd question is design Solar system |
| some question about Spring, Java 8, |
| like Spring Boot, |
| filter, map, reduce |
| singleton, |
| collection |
| factory design pattern |
| Date Time in Java 8 |

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Interview Feedback from Manager

|  |
| --- |
| "Resource Name: Nihar Parida Ranjan.- Interview Feedback |
| First Impression: 2 |
| He is not very clear on communication and not explained clearly on what kind of roles he performed on his recent project. |
|  |
| Frameworks and Java Technologies: 2 |
| He is not able to answer the basic java questions and not able to clearly explain the Java 8 features, which he claimed that he worked on them. |
| He is not able to explain on how to implement a header validations flow on Spring framework, which he claimed he used Spring security and MVC flows on current project. |
|  |
| Algorithms: 1 |
| He is not able to write a simple string processing logic and not able to explain/walk through on his logic. |
|  |
| Personality: 2 |
| He is not good at understanding the requirements(questions) and answer to them and also he did not had a quiet environment to take interview. |
| There were multiple phone calls interrupted him during the interview. |

|  |
| --- |
| --------------------------------------------------------------------------------------------------------------------------------  Interview Feedback on Abhinoy Yelleni –  I asked Array Integer Addition, Find Max in BST, and Two Sum. He failed to complete the first two problems with any solutions, and for the Two Sum, he struggled to come up with the HashSet solution with several hints. He has some basic knowledge of Spring, but is not farmiliar with Junit and Mockito. It's going to be hard for him to complete a task on his own. |

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Interview Feedback

|  |
| --- |
| We will pass **Parikshit** and please find the feedback as follows: **Java** |
| First Impression: 3 |
| He is very clear on communication and explaining about himself and technical expertise. |
| Algorithms: 2 |
| He managed to solve the problems and provided the working code. His logics were |
| good though they were not clever. He is able to self-evaluate the logics and correct |
| the solution for best approach possible for him at that time. |
| Frameworks and technologies: 2 |
| He has mid-level understanding of core java and spring framework technologies. He can be good fit to start as fresh graduate hire. |
| Personality: 3 |
| He is good at attitude and clear at communication, and able to speak clearly. |
| Recommendation: |
| He can be good as fresh graduate, but not for experienced resource to start directly coding. " |

|  |
| --- |
| --------------------------------------------------------------------------------------------------------------------------------  Interview Feedback on Bhayy  Resource Name: **Bhavy Bhut - Java** |
| First Impression: 2 |
| He is OK on communication, but not appeared confident in explaining his technical expertise and walking us through his recent work experience. |
| Algorithms: 2 |
| He managed to solve the problems and provided the working code for one problem after multiple helps. He wrote very high level brut force logic for another problem which is not accurate in solving the problem. |
| Frameworks and technologies: 2 |
| He has midlevel expertise on core java but does not seems to be good at spring technologies. He was not able to provide answers for spring-based questions, but he claimed that he worked on spring framework. |
| Personality: 3 |
| He is good at attitude but should work on his presentation skills and technical skills as well. |
| Recommendation: |
| No Hire.”   |  | | --- | | --------------------------------------------------------------------------------------------------------------------------------  Interview Feedback on Mostafijur  **Resource Name: Md. Mostafijur - Java** | | Vendor: Flexton | | First Impression: 3 | | He is little bit OK in explaining about his technical experience and but not so elaborate and detailed. Confidence level is low. | | Algorithms: 2 | | He was not able to solve the problem initially and he took some time to correct the solution, but not in efficient way. | | Frameworks and technologies: 2 | | He has mid-level java experience, but not that good on spring technology framework. He was not able to answer certain spring features which he claimed that he worked on his projects. | | Personality: 2 | | His attitude was good, but not able to provide the answers confidently. | | Recommendation: | | No Hire. " | |

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Interview Feedback

**Java - Sams Club -** **Abhinoy Yelleni** - I asked Array Integer Addition, Find Max in BST, and Two Sum.  
He failed to complete the first two problems with any solutions, and for the Two Sum, he struggled to come up with the HashSet solution with several hints.  
He has some basic knowledge of Spring, but is not farmiliar with Junit and Mockito. It's going to be hard for him to complete a task on his own.

|  |
| --- |
| **Java - Vivek** - He seems to be an entry level engineer. His previous work experiences are not closely related to Java and Spring as our core technologies. I'm thinking we'd like to hire contractors that can jump into work directly. " |

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Interview Feedback

|  |
| --- |
| " Please find the feedback for **Vinay Kaple - Java** as follows: |
| First Impression: 3 |
| He has very related experiences on Spring Boot, JUnit etc. |
| Algorithm: 1 |
| He struggled on very simple coding question and is pretty weak in algorithms. |
| Communication: 1 |
| He didn't prepare the tools for the interview, and he was not able to share his screen for me to see his coding. |
| Framework: 1 |
| His knowledge in Java and Spring frameworks failed the test. |
| Recommendation: |
| No Hire. " |

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Interview feedback for Dewei  
Communication: Dewei is not clear in communication as this cause some hard times understanding his points other than that he is honest.  
  
Java/Spring Framework: He shows basic knowledge in java but No knowledge in java8 as he was not able to answer questions in Java8.  
  
Data Structure Algorithm : was not able to solve the first question on Singleton in java however, was able to attempt the second coding question with better test approached.