

# Candidate Interview Report

Candidate: Moloko Magwai

Experience Level: Intermediate

Technology: Java

## Interview Result

Score: 0 / 10

## Interview Feedback

Q: Explain the key differences between an abstract class and an interface in Java. When would you choose one over the other?

A: hfkshskf

Score: 0

Feedback: The answer does not address the question or demonstrate understanding of abstract classes and interfaces in Java. Please provide a clear explanation of their differences and use cases.

Q: How does the Spring Boot framework simplify Java web application development? Can you describe the function of the @RestController annotation?

A: jgjjg

Score: 0

Feedback: The answer does not provide any relevant information regarding Spring Boot or the @RestController annotation. Please provide a clear explanation of how Spring Boot simplifies Java web development and the role of @RestController.

Q: Describe how you would design and implement a RESTful API in Java using Spring Boot. What considerations do you make for scalability and security?

A: gjjjg

Score: 0

Feedback: The answer 'gjjg' does not demonstrate any understanding or consideration of designing a RESTful API in Java using Spring Boot, nor does it address scalability or security concerns. A better answer would include defining REST principles, using Spring Boot annotations for controllers and services, discussing data handling, and mentioning strategies for scalability (like load balancing, caching) and security (authentication, authorization, HTTPS).

Q: What is dependency injection in Spring, and how does it help in building maintainable applications? Can you give examples of different ways to inject dependencies?

A: khkh

Score: 0

Feedback: The answer does not demonstrate any understanding of dependency injection or its benefits. Please provide a clear explanation of what dependency injection is, how it supports maintainability in Spring applications, and examples of different ways to inject dependencies such as constructor, setter, and field

injection.

Q: Explain how Spring Security can be used to secure RESTful APIs. How would you implement JWT-based authentication in a Spring Boot application?

A: hjhj

Score: 0

Feedback: The answer does not demonstrate any understanding of Spring Security or JWT-based authentication. The candidate should explain the use of filters, configuring SecurityConfig, and token validation in a Spring Boot app.

Q: How do you manage database interactions in Java using Spring Data JPA and Hibernate? Describe the role of entities, repositories, and transactions.

A: khkhk

Score: 0

Feedback: The answer does not demonstrate any understanding of managing database interactions with Spring Data JPA and Hibernate. Please describe the roles of entities, repositories, and transactions clearly.

Q: What are some common performance issues you might encounter when using Java and Spring Boot in backend services, and how do you diagnose and mitigate them?

A: jgj

Score: 0

Feedback: The answer does not address the question or demonstrate any understanding of performance issues in Java and Spring Boot.

Q: Describe how you write unit tests for your Spring Boot backend services. What tools do you use, and how do you mock dependencies?

A: jgjhgjgj

Score: 0

Feedback: The answer does not demonstrate any understanding of unit testing in Spring Boot, lacks mention of tools like JUnit or Mockito, and does not explain how dependencies are mocked.

Q: Can you explain what microservices architecture is and how you have applied it in your backend development with Java? What are the benefits and challenges you faced?

A: jhjh

Score: 0

Feedback: The answer does not demonstrate any understanding of microservices architecture. Please provide a clear explanation of what microservices are, how you used them in Java backend development, and describe the benefits and challenges you encountered.

Q: How do you handle error handling and exception management in Java backend applications, particularly in Spring Boot REST APIs?

A: jjg

Score: 0

Feedback: The answer does not demonstrate any understanding of error handling or exception management in Spring Boot REST APIs. Provide a detailed explanation of using try-catch blocks, @ExceptionHandler, and global exception handling with @ControllerAdvice.

## Coding Challenge Result

Score: 0

Verdict: fail

Feedback:

The candidate's submission is a PDF binary blob instead of Java source code implementing the requested function. Therefore, it cannot be evaluated for correctness, efficiency, or coding style. The candidate needs to submit valid Java code defining the function `countPairsWithSum(int[] nums, int target)` as per the problem statement to be properly assessed.