

Candidate report



This AI screening process offers unbiased, judgment-free screening, eliminating human biases and ensuring the authenticity of skills on display. It provides a reliable and transparent demonstration of candidates' abilities, delivering more trustworthy information

Talent info

Name: Ashok Kumar

Email:
ashokkumar.ash7@gmail.com

Test Completion Date: 03 May,
2024

Attempt Number: 1

Screened for -

Position: SQL Server Database
Developer

Years of experience: 4.00 yrs

Screening summary

Total time taken: **11 mins 08 secs**



Score obtained
55/90

Percentage obtained
61.11%

Language & comm. proficiency: **CEFR grade: B2** Independent user

The Common European Framework of Reference for Languages (CEFR) is an international standard for describing language ability.

Skills assessed :

Data Modelling, Etl Programming, Sql Development, Database Design

Language And Communication Proficiency (CEFR Grading System)

CEFR grade achieved: **B2**

C2 - C1: **Proficient user**

Capable of effortlessly comprehending spoken and written content, summarizing information from diverse sources, and expressing thoughts fluently and precisely, even in complex situations, while discerning nuanced meanings

B2 - B1: **Independent user**

Understands complex texts on concrete and abstract topics, including technical discussions in their field. Can communicate fluently with native speakers and produce detailed written texts on various subjects, presenting different perspectives.

A2 - A1: **Basic user**

Understands and communicates basic information related to personal, family, shopping, and employment topics. Can engage in simple conversations and describe their background, environment, and immediate needs.

[View official translations of the CEFR Global Scale](#)

Proctoring report

No Suspicion Detected



Cheating

Dual Screen

No

Number of refreshes

0

Tab Change

0

Flagged images

0

Difficulty levels

Levels

Questions with this difficulty level

Average scores

Easy



1 Questions

Average score for this level : 5/9

Moderate



5 Questions

Average score for this level : 6.2/9

Hard



2 Questions

Average score for this level : 6/9

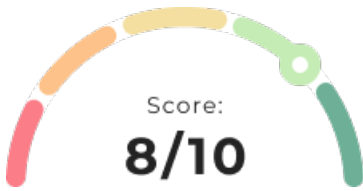
Very hard



1 Questions

Average score for this level : 7/9

1 Could you help me understand more about your background by giving a brief introduction of yourself?



Difficulty: Moderate

▶ Review Video Screening

Review by AI

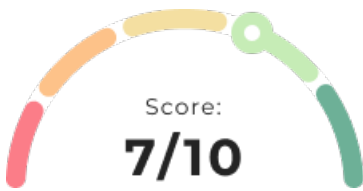
The candidate demonstrates over 5 years' experience across multiple companies with progression in ETL development.

Time taken : 01 min 32 secs

Answer (transcript) :

Hi, so I have like 5-6 years of experience in SQL and this was my third company, my last company Capgemini and I worked with the financial, healthcare and telecom industry. My first job was with Infosys as an ETL developer, I worked there in ETL sector where I worked for a financial project called S... [View More](#)

2 Can you describe how to automate data validation tests after an ETL process?



Difficulty: Moderate

▶ Review Video Screening

Review by AI

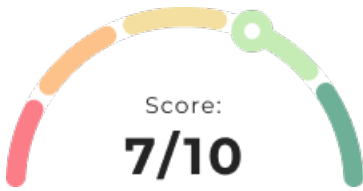
Candidate shows experience in data validation but lacks specifics on automating ETL validations.

Time taken : 01 min 14 secs

Answer (transcript) :

Actually, I have done data validations with respect to the ETL, I mean, after doing the upgrade or including a change in the project, but coming to the validation tool, we used to prepare validation scripts pertaining to the changes which we have made and the data stability and data validation comin... [View More](#)

- 3 In a scenario where you're tasked with integrating disparate databases, how would you handle data conflicts and maintain consistency?



Difficulty: Hard

▶ Review Video Screening

Review by AI

Candidate outlined general process for data integration, lacked detail on conflict resolution.

Time taken : 01 min 12 secs

Answer (transcript) :

How would you handle data conflicts and vendor conflicts? So when it comes to a separate databases like combining data from two sources or various sources we would initially see what kind of data is there and what are we merging it for and what is the end result we want. And coming to the data confl... [View More](#)

- 4 How would you design a system that requires both OLTP and OLAP operations on the same data set?



Difficulty: Hard

▶ Review Video Screening

Review by AI

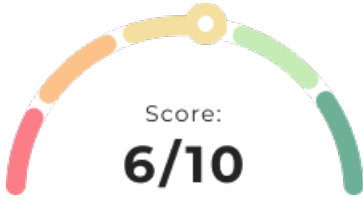
Answer vague, lacks technical depth suitable for 4 years' experience. Misunderstands OLTP/OLAP coexistence strategies.

Time taken : 51 secs

Answer (transcript) :

It requires both OLTP and OLAP operations on the same data set. So it depends on the type of system which we are going to define. If we have the data which is going to be accumulated for OLTP and OLAP separately or are we going to use like the raw data whichever is present in the data lake and then ... [View More](#)

5 How do you implement a database solution to minimize the effect of frequent schema changes?



Difficulty: Moderate

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Review by AI

Candidate referenced schema stability but lacked clear methodology or detail on minimizing schema changes.

Time taken : 45 secs

Answer (transcript) :

So most of the times we mostly use schema stability, so we would avoid doing any schema changes, major schema changes and then make change all the, if we are proceeding with the schema changes then we try to maintain stability by giving the schema to all the database references of the schema and the... [View More](#)

6 What is your method for determining the most efficient indexes to improve query performance?



Difficulty: Easy

▶ Review Video Screening

Review by AI

Candidate understands indexing impact but fails to present a detailed, expert method.

Time taken : 55 secs

Answer (transcript) :

The most efficient indexes created for query performance. The indexes created on a database or a table depends on the usage of indexes, most probably the type of data which we are storing. So indexes are mostly used to reduce the search time or to reduce the table scanning of the data where the usag... [View More](#)

- 7 Given this T-SQL function, there is a potential performance issue when dealing with large datasets. Can you explain what it is and suggest how to optimize it?

```
CREATE FUNCTION GetOrderTotal (@OrderId INT)
```

```
RETURNS MONEY
```

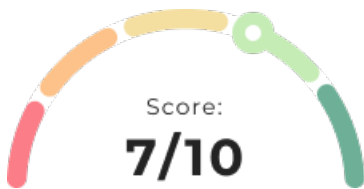
```
AS
```

```
BEGIN
```

```
    DECLARE @Total MONEY = (SELECT SUM(UnitPrice * Quantity) FROM OrderDetails WHERE OrderId = @OrderId)
```

```
    RETURN @Total
```

```
END
```



Difficulty: Moderate

▶ Review Video Screening

Review by AI

Recognizes performance issue related to aggregation and suggests GROUP BY enhancement.

Time taken : 01 min 41 secs

Answer (transcript) :

In this example, there is a potential documentation when dealing with large sizes of data. What it is, I suggest how to optimize it. The main issue in this scenario would be the order ID is being searched for a certain order ID and if it has multiple unit prices or multiple entries in the same table... [View More](#)

- 8 In this T-SQL code, identify the debug the syntax issue which will prevent the code from executing successfully.

```
SELECT Id, ProductName, ListPrice,  
  
CASE WHEN ListPrice > 1000 THEN 'Expensive'  
  
ELSE 'Affordable' END AS PriceCategory  
  
FROM Products  
  
WHERE PriceCategory = 'Expensive'
```



Difficulty: Moderate

Review by AI

Answer is incoherent and does not address a T-SQL syntax issue.

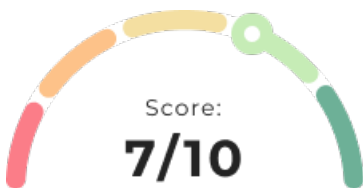
Time taken : 01 min 38 secs

▶ Review Video Screening

Answer (transcript) :

If you identify the debit and tax issue, run the code from executing successfully, run the code from executing successfully, run the code from executing successfully, run the code from executing successfully, run the code from executing successfully, run the code from executing successfully, run the code from executing successfully, run the... [View More](#)

- 9 How do you go about designing a database recovery strategy for mission-critical applications?



Difficulty: Very Hard

Review by AI

Candidate addresses snapshot, disaster recovery, and archival methods without specific design strategy.

Time taken : 01 min 16 secs

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Answer (transcript) :

So for the applications, wherever the recovery is required, then we would prefer to have a snapshot of previous installments or the working conditions so that we will be able to do the database recovery or else we can also have a disaster recovery database separately for all the databases or all the... [View More](#)

Good to have questions (2 questions)



Please note that these questions aren't scored and do not impact the talent's overall score of this screening

10 What are the considerations for utilizing SQL Server Analysis Services in your database solutions?

Review Answer

Good to have question

Review by AI

Addressed basic aspects of SSAS but lacked depth, terminology and structured explanation expected from experienced candidate.

Time taken : 01 min 21 secs

Answer (transcript) :

The basic thing when it comes to SQL Service Analysis Services, SSAS, in database solutions would be to accumulate the data and then analyze the data on business requirements wherever it is required. And coming to the analysis of the data, it majorly depends on the usage of data and type of data whi... [View More](#)

11 How do you approach documenting your SQL code and database designs?

Review Answer

Good to have question

Review by AI

Candidate did not provide any substantial answer.

Time taken : 03 secs

Answer (transcript) :

to your SQL code and database design.