

Print/Save View Home Office TSSR

Software Engineer

TSSR Ref: TSSR-2024-04-25-001

TSSR Date: 01-12-2024

Candidate Name: Ravi Sundhar Reddy

Business name: << Name of the Business with Sponsorship license>>

TSSR Reference: <u>TSSR-2024-04-25-001</u>



Overview

TSSR Reference	TSSR-2024-04-25-001	
Overall - Talent Match Score	85%	
Business Name	< <name business="" license="" of="" sponsorship="" the="" with="">></name>	

Job Owner	Michael Smith
SOC Code	SOC - 2134
Job Title	Software Engineer
Job Category	Information Technology

Job Description:

Job Summary: As a Senior Software Engineer, you will be a key contributor to our software development team, responsible for designing, implementing, and maintaining complex software solutions. Leveraging your extensive experience and expertise in software engineering, you will play a crucial role in the entire software development lifecycle, from conceptualization and design to deployment and maintenance. You will collaborate closely with cross-functional teams, including product managers, designers, and fellow engineers, to deliver high-quality, scalable, and robust software solutions that meet the needs of our customers and business objectives. Responsibilities:

- 1. Software Design and Architecture: Lead the design and architecture of software systems, ensuring scalability, reliability, and performance.
- 2.Coding and Development: Develop high-quality, efficient, and maintainable code in accordance with best practices and coding standards.

 3.Technical Leadership: Provide technical leadership and guidance to junior engineers, mentoring them in software development best practices and methodologies.
 4.Code Reviews: Conduct thorough code reviews to ensure code quality, adherence to coding standards, and knowledge sharing within the team.
- 5.Collaboration: Collaborate closely with cross-functional teams, including product managers, designers, and QA engineers, to understand requirements and deliver solutions that meet customer needs.
- 6. Problem Solving: Troubleshoot and resolve complex technical issues, identifying root causes and implementing effective solutions
- 7. Continuous Improvement: Proactively identify opportunities for process improvement, optimization, and automation to enhance productivity and efficiency.
- 8.Documentation: Create and maintain technical documentation, including design documents, architecture diagrams, and code comments, to ensure clarity and maintainability of software systems.
- 9.Technology Evaluation: Stay abreast of emerging technologies and industry trends, evaluating their potential impact on our software solutions
- and recommending adoption where appropriate.

 10.Compliance and Security: Ensure compliance with relevant regulations and standards, as well as adherence to security best practices, in all software development activities.

Job Requirement ID	JOB-2024-SS-001
Number of Positions	2
Candidate sourced by	< <the been="" candidate="" from="" identified="" job="" medium="" name,="" publishing="" sourced="" the="" where="">></the>

Star

Migrant Details

Candidate First Name	Ravi
Candidate Middle Name	Sundhar
Candidate Family Name	Reddy
Nationality	Indian
Passport Number	ABC123456
Passport Issuing Authority	Bengaluru Passport Office
Passport Issue Date	01-09-2020
Passport Expiry Date	01-09-2030
Current Address	Bengaluru, India
Date of Birth	20-10-1985
Sex	Male
Published salary	GBP 65000/Year
Salary Offered	GBP 61000/Year
Agreed start date	01-12-2024
Work pattern agreed	1. To work as part of inhouse existing team 2. Inhouse solo assignment 3. Onsite Client assignment (solo assignment) 4. Onsite Client assignment (With our team) 5. Onsite Client assignment (With external team)
Work location agreed	1. Inhouse - Main office address (Full time) 2. Client location address (Full time) 3. Remote/Flexible – Working from home with on demand visits to Main site 4. Remote/Flexible – Working from home with on demand visits to client site 5. Remote/Flexible – Working from home with on demand visits to Main site and client site 6. Others – please specify
Total working hours per week	40 hours
Entry clearance/Visa related notes (By HR)	< <candidate -="" candidate="" current="" dcos="" do="" enter="" have="" hence="" in="" need="" not="" permission="" sponsor="" stay="" the="" to="" uk.="" we="">></candidate>
Other notes (if any by HR)	< <candidate 3="" experience="" has="" in="" of="" past="" uk="" within="" years="">></candidate>



Skills Match Information

			Mandate skills	
subject/Expertise	Exp required/Claimed	AI Score	CCM Notes	Remarks - AO/KC/L1
Test Planning	3/2	85%	Richard Luis (Senior Software Engineer) (CCE) > Highlights - Time Stamps > 2m:25s, 3m:13s, 15m:16s	Accepted
Held On (12:30PM - 28th	June 2024)			Result
AI MCQ Test Result				
.Which of the follow	ving is NOT a primary go	al of IT tes	t planning	Correct
A) Ensuring the softwa	re meets functional requirem	ents B)	Identifying risks and mitigation strategies	
C) Estimating the total	cost of the project	D)	Defining the scope and objectives of testing	
2.What is the purpo	se of a test plan in IT pro	jects?		Correct
A) To outline the sched	ule for coding	B)	To identify the resources needed for testing	
C) To document the so	ftware design	D)	To evaluate user feedback	
3.Which of the follo	wing is a key component	of an IT te	est plan?	Incorrect
A) Hardware specificat			Marketing strategies	
C) Budget allocation		,	Test objectives and scope	
4 What is the main	purpose of defining test	ohiectives	s in an IT test nlan?	Correct
A) To specify the codin		-	To identify the testing environment	Correct
C) To establish criteria	-	•	To define the user interface	
The phase of the s	oftware development life	e cycle (SD	LC) typically involves creating an IT test plan?	Incorrect
or the phase of the s		-		mooreot
A) Requirements analy	SIS	BI	DESIGN	
	SIS		Design Testing	
A) Requirements analy C) Implementation 5.What is the purpo	sis se of identifying test del	D)	Testing	Correct
C) Implementation	se of identifying test del	D) iverables i	Testing	Correct
C) Implementation 6.What is the purpo A) To prioritize test cas	se of identifying test del	D) iverables ii	Testing n test planning?	Correct
C) Implementation 6. What is the purpo A) To prioritize test cas C) To ensure that the to	se of identifying test del	D) iverables ii B)	Testing n test planning? To define the scope of testing	Correct
C) Implementation 6. What is the purpo A) To prioritize test cas C) To ensure that the to	ese of identifying test del ees esting process is well-defined	D) iverables in B) D) nning?	Testing n test planning? To define the scope of testing	
C) Implementation 5.What is the purpo A) To prioritize test cas C) To ensure that the to 7.Which of the follo	use of identifying test del mes esting process is well-defined wing is a part of test plan	D) iverables in B) D) nning?	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing	
C) Implementation 5. What is the purpo A) To prioritize test cas C) To ensure that the to 7. Which of the follow A) Writing test cases C) Reviewing test resu	use of identifying test del mes esting process is well-defined wing is a part of test plan	D) iverables in B) D) inning? B) D)	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives	
C) Implementation 5. What is the purpo A) To prioritize test cas C) To ensure that the to 7. Which of the follow A) Writing test cases C) Reviewing test resu	use of identifying test delines sessesting process is well-defined wing is a part of test plands this use of establishing a test	D) iverables in B) D) ining? B) D) schedule in	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives	Correct
5. Implementation 5. What is the purpo A) To prioritize test cas C) To ensure that the to T. Which of the follow A) Writing test cases C) Reviewing test results B. What is the purpo A) To identify defects in	use of identifying test delines sessesting process is well-defined wing is a part of test plands this use of establishing a test	D) iverables in B) D) inning? B) Continue B) Sechedule in B)	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives In test planning?	Correct
C) Implementation 5. What is the purpo A) To prioritize test cass C) To ensure that the to 7. Which of the follow A) Writing test cases C) Reviewing test results B. What is the purpo A) To identify defects in C) To estimate the time	ese of identifying test deletes esting process is well-defined wing is a part of test pland tts ese of establishing a test of the software	D) iverables in B) nning? B) D) schedule in B)	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives In test planning? To ensure that testing is done without any bugs	Correct
C) Implementation 5. What is the purpo A) To prioritize test cass C) To ensure that the to 7. Which of the follow A) Writing test cases C) Reviewing test results B. What is the purpo A) To identify defects in C) To estimate the time	ese of identifying test delines esting process is well-defined wing is a part of test plan lts ese of establishing a test in the software e required for testing activities of risk analysis in test plan	D) iverables in B) D) ining? B) Schedule in B) Channing?	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives In test planning? To ensure that testing is done without any bugs	Correct
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C) Implementation 5. What is the purpo A) To prioritize test cass C) To ensure that the to 7. Which of the follo A) Writing test cases C) Reviewing test results B. What is the purpo A) To identify defects in C) To estimate the time 9. What is the role of A) To identify defects in C) To define the scope	ese of identifying test delines esting process is well-defined wing is a part of test plan lits ese of establishing a test in the software e required for testing activities of risk analysis in test plan in the software of testing ose of defining entry and	D) iverables in B) D) inning? B) Schedule in B) C) inning? B) D) inning? B) D)	Testing In test planning? To define the scope of testing To list the documents and artifacts produced during testing Executing test cases Defining test objectives In test planning? To ensure that testing is done without any bugs To execute test cases efficiently To prioritize test cases based on risk To ensure that the testing process is well-defined	Correct Correct



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IESL	Plann	mu ·	· Ineorv	IESLI	Resuit

Question 1:

What is test planning, and why is it important in the software development life cycle?

Test planning is the process of defining the approach, scope, resources, and schedule for testing a software application. It is important because it helps ensure that testing is conducted systematically and thoroughly, leading to higher-quality software. Test planning also helps in identifying risks and mitigating them early in the development process.

Result

Correct

Question 2: What are the key components of a test plan?

A test plan typically includes the following key components:

Introduction: Provides an overview of the document and its purpose.

 $\label{test:cope:Describes} \mbox{ Test Scope: Describes the features and functionalities to be tested.}$

Test Objectives: States the goals and objectives of the testing effort.

Test Strategy: Outlines the overall approach to be followed for testing.

Test Deliverables: Lists the documents and artifacts to be produced during testing.

Test Schedule: Specifies the timeline for testing activities.

Resource Planning: Identifies the human and material resources required for testing.

Risk Management: Describes how risks will be identified, assessed, and mitigated.

Result

Correct

Question 3: What is the difference between a test strategy and a test plan?

A test strategy is a high-level document that outlines the overall approach to testing, including the testing objectives, scope, and methodologies. A test plan, on the other hand, is a detailed document that specifies how the testing will be carried out, including the test cases, schedules, and resource allocation. In essence, the test strategy is the "what" of testing, while the test plan is the "how."

Result

Correct



Test Planning - Theory Test Result	
Question 4: Why is it important to involve stakeholders in the test planning process? Involving stakeholders in the test planning process is important because it helps ensure that the testing effort aligns with the overall project goals and objectives. Stakeholders can provide valuable input and feedback on the test plan, helping to identify potential risks and issues early in the development process. Additionally, involving stakeholders helps to ensure buy-in and support for the testing effort throughout the project.	Result
Question 5: How does risk analysis impact test planning? Risk analysis plays a crucial role in test planning by helping to identify potential risks that could impact the success of the testing effort. By conducting risk analysis, testers can prioritize testing activities based on the level of risk, ensuring that the most critical areas of the software are thoroughly tested. Risk analysis also helps in developing contingency plans to mitigate risks and ensures that resources are allocated effectively during testing.	Result
AO Notes Accepted	



Subject/Expertise	Exp required/Claimed	AI Score	CCM Notes	Remarks - AO/KC/L1
Test Execution	3/3	75%	Hariharan (Senior Software Engineer) (CCE) <video be="" here="" link="" provided="" will="">> Highlights - Time Stamps > 2m:25s, 3m:13s, 15m:16s</video>	Accepted
Held On (12:30PM - 28th J	lune 2024)			Result
AI MCQ Test Result				
I. What is the prima	ry goal of IT test executior	n?		Correct
A) To document test re	sults	B) 7	o identify defects in the software	
C) To finalize the test p	lan	D) 1	To prepare the test environment	
2.Which of the follo	wing is NOT typically a par	t of test	execution activities?	Correct
A) Developing test case			Running test cases	
C) Analyzing test result	s	D) (Creating the test plan	
3.What is regression	n testing?			Incorrect
A) Testing newly added	_	R) 7	Festing the entire system	
	with a focus on performance	•	Festing the entire system Festing the system with a focus on security vulnerabilities	
-,g ,		_, .		
4.When should test	execution activities ideally	y begin?		Correct
A) After the software is	deployed to production	B) E	During the requirements gathering phase	
C) After the test enviror	nment is set up	D) A	After the test plan is finalized	
5. What is the purpo	ose of documenting test re	sults du	ring test execution?	Correct
A) To create a historica	I record of testing activities	B) 7	o justify the need for additional resources	
C) To finalize the test p	lan	D) 1	To prepare for user acceptance testing	
6.What is the purpo	se of a test execution sche	edule?		Correct
A) To identify defects in	the software	B) 7	o plan the testing process	
C) To ensure that testir	ng is done without any bugs	D) 1	To estimate the time required for test execution activities	
7.Who is responsible	e for overseeing test execu	ution acti	ivities?	Correct
A) The project manage	r	B) 7	The development team	
C) The testing team		D) 1	The quality assurance team	
8.What is the purpo	se of test execution status	s tracking	g?	Incorrect
A) To identify defects in	n the software	B) 7	o ensure that testing is done without any bugs	
C) To monitor the progr	ress of test execution activities		To plan the testing process	
9.Which of the follo	wing is a key outcome of t	est execu	ution?	Correct
A) Defining test objecti	ves	B) F	Running test cases	
C) Reporting defects		D) A	Analyzing requirements	
10.How does test ex	ecution contribute to soft	ware qua	ility?	Correct
A) By planning the testi		-	By identifying defects in the software	
	3	D) [By updating test cases	



est Execution - Theory Test Result	
Question 1: Vhat is test execution, and how does it fit into the software testing process?	Result
Test execution is the process of running the test cases to verify the behavior of the software under test. It is a crucial phase in the software testing process, following test planning and preceding test closure. During test execution, testers execute the planned tests, report defects, and collect data to evaluate the quality of the software.	Correct
What are the key activities involved in test execution? Key activities in test execution include: Running test cases based on the test plan Recording the outcomes of the test cases Reporting defects discovered during testing Analyzing test results to determine if the software meets the specified requirements Conducting regression testing to ensure that new changes do not adversely affect existing functionality	Result
equestion 3: fow do you ensure effective test execution in a software testing project? Effective test execution can be ensured by: Following the test plan and test cases meticulously Using appropriate test data and environments Communicating effectively with the development team and other stakeholders Reporting defects promptly and clearly Conducting thorough regression testing Monitoring progress and adjusting the testing approach as needed	Result Correct



Test Execution - Theory Test Result	
	Result
Question 4:	Result
What are the challenges typically faced during test execution, and how can they be addressed?	Correct
Challenges in test execution may include: Time constraints	
Resource limitations	
Complex test scenarios	
Inadequate test coverage Those challenges can be addressed by:	
These challenges can be addressed by: Prioritizing tests based on risk	
Automating repetitive test cases	
Collaborating closely with developers to resolve issues promptly	
Reviewing and refining test cases regularly	
	Result
Question 5: How do you measure the effectiveness of test execution?	Correct
The effectiveness of test execution can be measured by:	Concer
The number and severity of defects found during testing	
The extent of test coverage achieved	
The adherence to the test plan and schedule The efficiency of the testing process, including the time and resources expended	
The overall impact of testing on software quality and project goals	
AO Notes	
Accepted	



Subject/Expertise	Exp required/Claimed	AI Score	CCM Notes	Remarks - AO/KC/L1
Effective Communication	4/5	80%	Christopher Nolan (Senior Software Engineer) (CCE) < <video be="" here="" link="" provided="" will="">> Highlights - Time Stamps > 2m:25s, 3m:13s, 15m:16s</video>	Accepted
Held On (12:30PM - 28th Ju	ne 2024)			Result
AI MCQ Test Result				
1.Which of the follow	ing is NOT a key elemen	nt of effect	ive communication?	Correct
A) Active listening			B) Speaking loudly	
C) Nonverbal communic	ation		D) Clarity and conciseness	
2.What is active lister	ning?			Correct
A) Hearing words withou	t paying attention		B) Listening and responding with full attention	
C) Interrupting the speak	ker to ask questions		D) Ignoring the speaker's emotions	
3.Which of the follow	ving is NOT considered a	ın ADL?		Incorrect
A) Speaking			B) Writing an email	
C) Making eye contact			D) Texting	
4.Why is empathy im	portant in communicat	ion?		Correct
A) It helps to manipulate			B) It shows understanding and respect	
C) It allows one to domin	nate conversations		D) It makes communication boring	
5.Which of the follow	ring statements about fe	eedback is	strue?	Correct
A) Feedback should alw	ays be negative to encourag	ge improven	nent B) Feedback should be given immediately	
C) Feedback should be	specific, constructive, and til	mely	D) Feedback is not necessary in effective communication	on
6.What is the role of	empathy in effective co	mmunicat	cion?	Correct
A) To identify defects in	the software		B) To understand and share the feelings of others	
C) To criticize others			D) To avoid communication	
7.How can technolog	y enhance effective cor	nmunicati	ion in the IT sector?	Correct
A) By reducing the need	for communication		B) By providing various communication channels	
C) By eliminating the ne	ed for listening		D) By increasing misunderstandings	
8.Which of the follow	ving is an example of inf	ormal con	nmunication in the IT sector?	Incorrect
A) Sending an official re	port		B) Conducting a team meeting	
C) Chatting with colleag	ues during a break		D) Making a formal presentation	
9.How can clarity be	achieved in written com	nmunicatio	on in the IT sector?	Correct
A) By using technical jar	gon extensively		B) By avoiding bullet points	
C) By using simple and	concise language		D) By including irrelevant details	
10.Why is it importan	it to adapt communicat	ion style to	o the audience in the IT sector?	Correct
	псе		B) To demonstrate expertise	
A) To confuse the audier				



Effective Communication - Theory Test Result	
Question 1: What is the role of effective communication in the IT sector? Effective communication is crucial in the IT sector as it facilitates the exchange of ideas, information, and feedback among team members, stakeholders, and clients. It helps in aligning goals, resolving conflicts, and ensuring project success.	Result
Question 2: How can active listening contribute to effective communication in the IT sector? Active listening involves fully concentrating on what is being said, understanding the message, and responding thoughtfully. In the IT sector, active listening helps in understanding complex technical concepts, clarifying requirements, and building strong relationships with team members and clients.	Result
Question 3: Why is it important for IT professionals to communicate complex technical information in a clear and concise manner? Clear and concise communication of complex technical information is important in the IT sector to ensure that everyone understands the requirements, solutions, and decisions. It reduces the risk of misunderstandings, errors, and project delays.	Result



Effective Communication - Theory Test Result	
Question 4: How can cultural differences impact communication in the IT sector, and how can they be overcome?	Result
Cultural differences can impact communication in the IT sector by influencing language, communication styles, and perceptions. To overcome these differences, IT professionals can adopt strategies such as respecting cultural norms, being open-minded, and seeking clarification when needed.	
	Result
Question 5: What are some common barriers to effective communication in the IT sector, and how can they be	
addressed? Common barriers to effective communication in the IT sector include language barriers, technical jargon, distractions, and lack of feedback. These barriers can be addressed by using simple language, avoiding excessive use of technical terms, minimizing distractions, and actively seeking feedback.	Correct
AO Notes	
Accepted	



Subject/Expertise	Exp required/Claimed	AI Score	CCM Notes	Remarks - AO/KC/L1			
SQL	4/5	90%	Richard Luis (Senior Software Engineer) (CCE) <video be="" here="" link="" provided="" will="">> Highlights - Time Stamps > 2m:25s, 3m:13s, 15m:16s</video>	Accepted			
Held On (12:30PM - 28th	June 2024)			Result			
AI MCQ Test Result	:						
1.Which SQL keywo	ord is used to retrieve dat	a from a da	atabase?	Correct			
A) SELECT		B) UPDATE					
C) DELETE		D) INSERT					
A) UPDATE	ment is used to update d	ata in a dat B) SELECT		Correct			
C) INSERT		D) MODIFY					
o,o		2, 02					
3.Which SQL claus	e is used to filter records	?		Incorrect			
A) ORDER BY		B) GROUP	BY				
C) WHERE		D) HAVING	3				
_	ment is used to delete da		database?	Correct			
A) DELETE							
C) TRUNCATE		D) REMOV	E				
5.Which SOL funct	5.Which SQL function is used to find the maximum value in a column? Correct						
A) MAX()							
C) AVG()		D) SUM()					
6.Which SQL funct	ion is used to calculate tl	ne average	of a set of values?	Correct			
A) AVG()		B) AVERAC	GE()				
C) MEAN()		D) SUM()					
7.Which SQL claus	Correct						
A) LIMIT		B) TOP					
C) ROWS		D) FETCH					
8.Which SQL comr	Incorrect						
A) NEW TABLE B) CREATE TABLE							
C) ADD TABLE		D) INSERT					
9.Which SQL claus	Correct						
A) GROUP BY							
C) SORT BY		D) ARRAN	GE BY				
10.Which SQL command is used to change the structure of a table? Correct							
A) ALTER TABLE	-						
C) CHANGE TABLE		D) UPDATE	E TABLE				



SQL - Theory Test Result	
Question 1:	Result
Write a SQL query to find the second highest salary from the "employees" table. SELECT MAX(salary) AS second_highest_salary FROM employees WHERE salary < (SELECT MAX(salary) FROM employees);	Correct
Question 2: Write a SQL query to find the nth highest salary from the "employees" table. SELECT DISTINCT salary FROM employees emp1 WHERE n = (SELECT COUNT(DISTINCT salary) FROM employees emp2 WHERE emp2.salary >= emp1.salary);	Result
Question 3:	Result
Write a SQL query to find the employees who have the same salary as the highest salary. SELECT name, salary FROM employees WHERE salary = (SELECT MAX(salary) FROM employees);	Correct



Question 4: Write a SQL query to find the duplicate records in a table. SELECT column1, column2, COUNT(*) FROM table, name GROUP BY column1, column2 HAVING COUNT(*) > 1; Question 5: Write a SQL query to find the top 3 most common names in the "employees" table. SELECT name, COUNT(*) As name_count FROM employees GROUP BY name OROUER BY name OROUER BY name_count DESC LIMIT 3; AO Notes A Coepted		
Rewilt Question 5: Write a SQL query to find the top 3 most common names in the "employees" table. SELECT name, COUNT(") AS name_count RROW employees SROUP BY name DRDER BY name_count DESC AO Notes AO Notes	Question 4: Write a SQL query to find the duplicate records in a table.	
AO Notes Correct Co	FROM table_name GROUP BY column1, column2	
Write a SQL query to find the top 3 most common names in the "employees" table. SELECT name, COUNT(*) AS name_count FROM employees GROUP BY name DRDER BY name_count DESC LIMIT 3; AO Notes		Result
	SELECT name, COUNT(*) AS name_count FROM employees GROUP BY name DRDER BY name_count DESC	Correct
Accepted	AO Notes	
	Accepted	



Subject/Expertise	Exp required/Claimed	AI Score	CCM Notes	Remarks - AO/KC/L1			
JavaScript	3/6	70%	Richard Luis (Senior Software Engineer) (CCE) <video be="" here="" link="" provided="" will="">> Highlights - Time Stamps > 2m:25s, 3m:13s, 15m:16s</video>	Accepted			
Held On (12:30PM - 28th Ju	Result						
AI MCQ Test Result							
1.What is JavaScript?				Correct			
A) A programming langu	uage for building web pages	B) .	A database management system				
C) A version control sys	tem	D)	A web browser				
2.Which keyword is ι	used to declare variables	in JavaSc	ript?	Correct			
A) var		B)	int				
C) string		D)	let				
3.What is the purpos	e of the document.getEl	ementBy	ld() method in JavaScript?	Incorrect			
A) To retrieve an HTML	element based on its class n	ame B)	To retrieve an HTML element based on its ID				
C) To retrieve an HTML	element based on its tag nar	me D)	To retrieve an HTML element based on its name attribute				
4.Which event occur	s when the user clicks or	n an HTM	L element?	Correct			
A) onmouseover		B)	onclick				
C) onchange		D)	onkeydown				
5.What is the purpose of the console.log() method in JavaScript? Correct							
A) To display a message	e in the browser console	B)	To display an alert message				
C) To log errors to the se	erver	D)	To print a message to the screen				
6.Which statement is	Correct						
A) stop;		B)	break;				
C) exit;		D)	end;				
7.What is the purpos	e of the JSON.stringify()	method i	n JavaScript?	Correct			
A) To parse a JSON stri	ng	B)	To convert a JavaScript object to a JSON string				
C) To convert a JSON s	tring to a JavaScript object	D)	To format a JSON string				
8.Which method is u	sed to add new element	s to the e	nd of an array in JavaScript?	Incorrect			
A) push()		B)	unshift()				
C) splice()		D)	concat()				
9.What does the Nat	N keyword represent in Ja	avaScript [*]	?	Correct			
A) Not a Number		B)	Null and None				
C) Not a Null		D)	None and Null				
10.How do you comn	Correct						
A) This is a commer</td <td>nt></td> <td>B) .</td> <td>/* This is a comment /</td> <td></td>	nt>	B) .	/* This is a comment /				
C) // This is a comment		D)	/* This is a comment **/				



JavaScript - Theory Test Result Result **Ouestion 1:** Write a function to flatten a nested array. Correct function flattenArray(arr) { return arr.reduce((acc, val) => Array.isArray(val) ? acc.concat(flattenArray(val)) : acc.concat(val), []); // Example usage const nestedArray = [1, [2, [3, 4], 5], 6]; const flattenedArray = flattenArray(nestedArray); console.log(flattenedArray); // Output: [1, 2, 3, 4, 5, 6] Result Question 2: Write a function to implement a debounce function in JavaScript. Correct function debounce(func, wait) { let timeout; return function(...args) { const context = this; clearTimeout(timeout); timeout = setTimeout(() => func.apply(context, args), wait); **}**; } // Example usage function saveChanges() { console.log('Saving changes...'); } const debouncedSave = debounce(saveChanges, 1000); // Calling debouncedSave multiple times in quick succession will only trigger saveChanges once after 1000ms Result **Ouestion 3:** Write a function to find the first non-repeating character in a string. Correct function firstNonRepeatingChar(str) { const charCount = {}; for (let char of str) { charCount[char] = (charCount[char] || 0) + 1; for (let char of str) { if (charCount[char] === 1) { return char; } } return null; const str = 'hello'; const firstNonRepeating = firstNonRepeatingChar(str); console.log(firstNonRepeating); // Output: 'h'



JavaScript - Theory Test Result

```
Result
Question 4:
Write a function to implement a memoization pattern for a given function.
                                                                                                                               Correct
function memoize(func) {
  const cache = {};
  return function(...args) {
     const key = JSON.stringify(args);
     if (!(key in cache)) {
       cache[key] = func.apply(this, args); }
     return cache[key];
  };
function fibonacci(n) {
  if (n <= 1) return n;
  return fibonacci(n - 1) + fibonacci(n - 2); }
const memoizedFibonacci = memoize(fibonacci);
console.log(memoizedFibonacci(10)); // Output: 55
```

Question 5: Write a function to implement a deep clone for an object.

```
function deepClone(obj) {
    if (typeof obj !== 'object' || obj === null) {
        return obj;}
    let clone = Array.isArray(obj) ? [] : {};
    for (let key in obj) {
        if (obj.hasOwnProperty(key)) {
            clone[key] = deepClone(obj[key]);
        } }
    return clone;
}

// Example usage
const obj = { a: 1, b: { c: 2 } };
const clonedObj = deepClone(obj);
console.log(clonedObj); // Output: { a: 1, b:
```

Result

Correct

AO Notes

Accepted



	Educational qualifications				
Qualification Demanded	Qualification Claimed	Attachment	CCM Notes	Remarks - AO/KC/L1	
Bachelor's Degree in Computer Science	Bachelor of Science in Computer Science	< <doclink be="" here="" provided="" will="">></doclink>	David Martin (Recruitment Specialist) (CCE) Candidate's degree matches the required qualification.	Accepted	

	Professional Tools/Machineries				
Tools Demanded	Qualification Claimed	Attachment	CCM Notes	Remarks - AO/KC/L1	
Jira	Yes	< <doclink be="" here="" provided="" will="">></doclink>	Hariharan (Senior Software Engineer) (CCE) Candidate has extensive experience using Jira in previous roles.	Accepted	
Selenium	Yes	< <doclink be="" here="" provided="" will="">></doclink>	Christopher Nolan (Senior Software Engineer) (CCE) Candidate completed Selenium automation projects during previous employment.	Accepted	
Git	Yes	< <doclink be="" here="" provided="" will="">></doclink>	Christopher Nolan (Senior Software Engineer) (CCE) Candidate scored exceptionally well in Git proficiency test.	Accepted	

	Professional Qualifications/Certifications				
Qualification Demanded	alification Demanded Qualification Claimed Attachment CCM Notes				
AWS Certified Solutions Architect	AWS Certified Solutions Architect - Associate	< <doclink be="" here="" provided="" will="">></doclink>	Kishan (Recruitment Specialist) (CCE) Candidate's certification matches the required qualification.	Accepted	
Project Management Professional (PMP)	Project Management Professional (PMP)	< <doclink be="" here="" provided="" will="">></doclink>	David Martin (Recruitment Specialist) (CCE) Candidate's certification matches the required qualification.	Accepted	

Other paperwork required, if any!	None Requested

Authors:

AO	Willaims Grande (HR Manager)
КС	Noah Philips (Team Lead)
L1	Vishnu Vardhan (Senior Engineer)
CCE	David Martin (Recruitment Specialist) - Assigned to - Bachelor's Degree in Computer Science & Project Management Professional (PMP) Richard Luis (Senior Software Engineer) - Assigned to - SQL & Java Script Christopher Nolan (Senior Software Engineer) - Assigned to - Effective Communication, Selenium & Git Hariharan (Senior Software Engineer) - Assigned to - Test Execution & Jira Kishan (Recruitment Specialist) - Assigned to - AWS Certified Solutions Architect
HR	Tina Lophes (HR Director)
Employee	Ravi Sundhar Reddy (Software Developer)



Additional Skills of Candidate

Skill Name	Experience
Skill Name	Experience

	RLMT Information							
Medium name	Density	Start date	End date	Total CVs				
Job Publishing medium ONE	UK wide	12-01-2024	03-03-2024	12				
Job Publishing medium TWO	International	12-01-2024	01-03-2024	20				