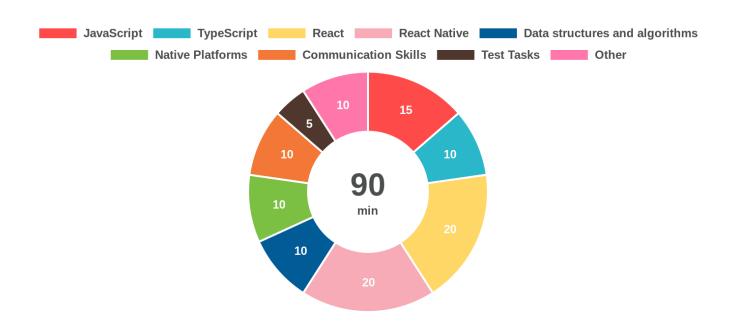
RISEAPPS

Candidate - Dmitry Usik (middle)



Evaluation:

- 1 Doesn't have theoretical and practical skills in this area.
- $\boldsymbol{2}$ Has superficial theoretical or practical skills in this area.
- 3 Has enough practice and superficial theoretical skills in this area.
- **4 -** Has good theoretical and practice skills in this area.
- **5** Has excellent theoretical and practice skills in this area.

Questions:

JavaScript (15 min):

- 1) What is memoization and what's the use of it? Mark: __/5
- 2) What are ES6 modules? Mark: /5
- 3) What is callback function? Mark: __/5
- 4) What are promises? Mark: __/5
- 5) What is async/await and how it works? Mark: __/5
- 6) What are generators? Mark: __/5

7) What are symbols? Mark: / 5
TypeScript (10 min): 1) List out the built-in data types in TypeScript. Mark:/5 2) What are generics in TypeScript? Mark:/5 3) Explain enum in TypeScript. Mark:/5 4) What Utility Types are in TypeScript? Mark:/5
React (20 min): 1) In what cases does it make sense to choose Mobx instead of Redux? Mark:/5 2) What is observable? Mark:/5 3) What are actions? Mark:/5 4) What are computends? Mark:/5 5) How does the performance of using hooks compare to that of classes? Mark:/5 6) What is useEffect hook? Mark:/5 7) What is useMemo hook? Mark:/5 8) What is useRef hook? Mark:/5 9) What is context? Mark:/5 10) What are forward refs? Mark:/5
React Native (20 min): 1) What are the benefits of React Native? Mark: _/5 2) How to boost the performance of lists in React Native? Mark: _/5 3) Describe the Flexbox approach. Mark: _/5 4) Have you ever supported multilanguage apps? Describe the approach you used. Mark: _/5 5) Have you ever implemented complex animations? What solutions did you use for it? Mark: _/5 6) What libraries for navigation did you use? Describe your experience. Mark: _/5 7) Have you ever faced performance issues? How did you resolve them? Mark: _/5
Data structures and algorithms (10 min): 1) What is Map? Mark:/5 2) What is Set? Mark:/5 3) What is recursive function? Mark:/5
Native Platforms (10 min): 1) Have you ever published apps to App Store? Describe the process. 2) Have you ever published apps to Play Market? Describe the process. 3) What is AndroidManifest.xml? Mark:/5 Mark:/5

Communication Skills (10 min):
1) Have you ever done estimations? Describe this process. Mark:/5
2) What is Scrum? Mark:/5
3) How many OS did you work with? Mark:/5
4) What code editor or IDE do you prefer? Mark:/5
5) What cloud code repositories did you work with? Mark:/5
Test Tasks (5 min): 1) Fill the array with the first 10 numbers of the Fibonacci series. Mark: /5
Other (10 min):
1) Describe the OOP approach? Mark:/5
2) Describe the Singleton design pattern. Mark:/5
3) Mention what are the HTTP methods supported by REST. Mark: /5