**a) Technical Questions:**

1. How can you embed two or more components into one?
2. How do you create an event in React?
3. How do you modularize code in React?
4. How are forms created in React?
5. Why can’t browsers read JSX?
6. How different is React’s ES6 syntax when compared to ES5?
7. How is React different from Angular
8. How can you embed two or more components into one?
9. How can you update the state of a component?
10. How do you create an event in React?
11. How do you modularize code in React?
12. How do you create forms in React?
13. How are Actions defined in Redux?
14. How is Redux different from Flux?

**b) Soft Skills Questions:**

1. How would you deal with a colleague who constantly opposes your ideas?
2. Tell me about a time when you lead your team?
3. How do you manage if you assigned multiple tasks with the same deadline?
4. Have you ever faced an ethical dilemma at work?
5. Tell me about the last time a manager rejected one of your ideas. How did you react to his/her feedback?
6. What tools do you use to keep yourself organized?
7. Tell me about your biggest work failure. What did you learn?

1. Explain why making a WYSIWYG editor in HTML is hard.

2. What do you do to ensure good usability and accessibility?

3. How would you optimize the 'perceived performance' of a website?

4. Can you describe your workflow when you create a web page?

5. What are your favorite features of HTML 5 and CSS 3 and what would you change?

6. Have you used Sass? What's good about it?

7. Have you used MVC before? What you like/dislike about it?

8. Tell me about the hardest cross-browser compatibility issue you've ever dealt with.

9. Let’s look at the design of our website. Talk me through the features that draw your attention. What do you like, what do you dislike? What would you change?

10. What's a cool project that you've recently worked on?

11. What are some things you like about the developer tools you use?

12. Do you have any pet projects? What kind?

## 

## DevOps Interview Questions:

1. Explain your understanding and expertise on both the software development side and the technical operations side of an organisation you’ve worked for in the past.

2. Explain what would you check If a Linux-build-server suddenly starts getting slow.

3. How would you make software deployable?

4. How have you used SSH?

5. What are the important aspects of a system of continuous integration and deployment?

6. Describe Puppet master agent architecture. How have you implemented it in your project?

7. What testing is necessary to ensure that a new service is ready for production?

8. How DNS works? Explain what happens in all layers of OSI when URL is entered in the browser? How a system forks a child?

9. Tell us about the CI tools that you are familiar with.

10. What DevOp tools have you worked with?

11. What different types of testing need to be carried out on a software system, and what tools would you use to achieve this testing?

12. How much have you interacted with cloud-based software development?

13. Discuss your experience building bridges between IT Ops, QA, and development.

14. Are you familiar with just Linux or have you worked with Windows environments as well?

15. Did you get a chance to work on Amazon tools?

16. What are some DevOps projects you've worked on in the past 'using systems automation and configuration?

17. What was your greatest achievement on a recent project?

18. What problems did you face and how did you solve them?

19. What’s your career objective in your role as a DevOps engineer?

20. Explain the achievements and technology establishments achieved by you in your previous organization

Testing:

1. Explain stress testing, load testing, and volume testing.

2. How can software QA processes be implemented without stifling productivity?

3. How to handle the low frequency issues during you testing?

4. Give me five common solutions for software developments problems.

5. When do you choose automated testing over manual testing?

6. How to overcome the challenge of not having input documentation for testing?

7. How to launch the test cases in Quality Center and where it is saved?

8. Inconsistent bugs – Why onsite can find it but offshore can’t and vice versa – How to handle this situation?

9. Please provide information (an example) of your experience testing Linux and UNIX environments (including a type of system tested, how tested, actual commands and steps used for test) Testing applications using Linux and UNIX.

10. How do you decide which tests to automate? Which tests don’t you automate, and why?

11. How do you create a test strategy?

12. How do you make sure that it is quality software or product?

Apart from these technical questions, ask these following questions to find out more about candidates software testing experience.

13. What are the tools used by you while testing?

14. How have you successfully helped launch a product?

15. What process are you using for testing currently? Can you describe how you might improve it?

16. What challenges they came across and overcame? Can you tell me about some specific software testing challenges you’ve faced, and how you overcame them?

17. Do you measure how effective (or not) your testing is? What metrics do you use?

18. How to handle a situation when you don’t have time for complete testing?

19. Have you automated any of your tests? How?

20. Tell me which one the Most Critical Bug you find in your Life? What was the Severity? How it influenced?

21. What’s your favorite testing tool? Why? If some technical constraint meant you were unable to use it, what would you do instead?

22. How you coped with having to learn any new skills?

## NoSQL Interview Questions

1. What is the difference between NoSQL and RDBMS? Why and why not to use NoSQL databases? What are the various advantages of NoSQL databases?

2. When should I use a NoSQL database instead of a relational database?

3. Could you explain the transaction support by using BASE in NoSQL systems?

4. Have you heard about “polygot persistence”? If yes, then explain.

5. Does NoSQL Database Interact With Oracle Database?

6. Tell me the challenges of using NoSQL.

7. Can you explain what Big SQL is? How Big SQL Works?

8. Here we have a sample document:

TEAMS

{

"id": "BlueTeam",

"Captains": [

{ "CaptainName": "Williams", "givenName": "Robin"; },

{ "CaptainName": "Holtz", "givenName": "Ben" }

],

"members": [

{

"Name": "Jesse Rhodes",

"gender": "female", "grade": 1

]

},

{

"Name": "James Lu",

"gender": "female",

"grade": 2 }

],

"score": { “wins”: 10 , “losses:” 2 },

"creationDate": 1431620462,

"isRegistered": false

}

{

"id": "RedTeam",

"Captains": [

{ "CaptainName": "Oldham", "givenName": "Wil" },

],

"members": [

{

"Name": "Bryan McMahon",

“Name”: “Jimmy Dean”

"gender": "male", "grade": 1

]

},

{

"Name": "Y Bekhurst",

"gender": "male",

"grade": 2 }

],

"score": { “wins”: 2 , “losses:” 10 },

"creationDate": 1431620462,

"isRegistered": false

}

9.  At what level is there a problem with this data?

10. Explain the modes of operation that Flume supports

11. Does NoSQL Database Interact With Oracle Database?

12. Is There Any NoSQL Database As Simple As SQLite?

13. What do you know about Impala? Explain some benefits and drawbacks of Impala.

14. What Scalability Problems Have You Encountered Using A NoSQL Data Store?

15. What was the most interesting project you have participated in? Can you describe it and tell why you consider it to be so interesting?

16. Do you remember any programming project decision you made that was a failure? Why do you think it was a mistake? Why did it happen? What did you learn from this experience?

<https://blog.interviewmocha.com/front-end-developer-interview-questions>

<https://codeburst.io/how-to-test-javascript-with-mocha-the-basics-80132324752e>

<https://itnext.io/how-to-make-tests-using-chai-and-mocha-e9db7d8d48bc>

<https://codeburst.io/javascript-unit-testing-using-mocha-and-chai-1d97d9f18e71>

<https://javascript.info/testing-mocha>

<https://blog.logrocket.com/a-quick-and-complete-guide-to-mocha-testing-d0e0ea09f09d/>