

# Interview

## Elon Mask

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React



Department



55 mins



middle+



press@tesla.com

## Evaluation

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- 1 - Doesn't have theoretical and practical skills in this area.
- 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

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### JavaScript (14 mins)

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1) What do &&, || and !! operators do?    **Mark:**     / 5

- 2) Why does it return false when comparing two similar objects in JavaScript? **Mark:**      / 5
- 3) What's the difference between var, let, and const keywords? **Mark:**      / 5
- 4) What are arrow functions? **Mark:**      / 5
- 5) What is object destructuring? **Mark:**      / 5
- 6) What are the ways to deal with asynchronous code in JavaScript? **Mark:**      / 5
- 7) Which tools for working with Date do you know in JavaScript? **Mark:**      / 5

### TypeScript (6 mins)

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- 1) What are the benefits and drawbacks of using TypeScript? **Mark:**      / 5
- 2) List out the built-in data types in TypeScript. **Mark:**      / 5
- 3) What is the difference between interface and type statements? **Mark:**      / 5

### React (20 mins)

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- 1) What is React? **Mark:**      / 5
- 2) What is the difference between Real DOM and Virtual DOM? **Mark:**      / 5
- 3) What is the difference between state and props? **Mark:**      / 5
- 4) What is a key prop and what is the benefit of using it in arrays of elements? **Mark:**      / 5
- 5) What is Redux? **Mark:**      / 5
- 6) What is useState hook? **Mark:**      / 5
- 7) What is useEffect hook? **Mark:**      / 5
- 8) What are useMemo and useCallback hook? **Mark:**      / 5
- 9) What is useRef hook? **Mark:**      / 5
- 10) What are custom hooks? **Mark:**      / 5

### Software Skills (5 mins)

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- 1) Have you ever done estimations? Describe this process. **Mark:**      / 5
- 2) Describe the git flows you worked with. What was the structure of the team? Were there any code reviews or cross-code reviews? Did you use any commit/push validators? **Mark:**      / 5
- 3) What code editor or IDE do you prefer? **Mark:**      / 5
- 4) What CI/CD did you work with? **Mark:**      / 5
- 5) Do you have any project management experience? **Mark:**      / 5

### Test Tasks (10 mins)

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- 1) Number of Boomerangs

<https://edabit.com/challenge/b7iHQDw72zzkmgCun>    **Mark:**   / 5  

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