

SHRUTI KAPOOR

INTERVIEW TIPS & REACT 101



LIFE
BEGINS
AT
THE
END
OF
YOUR
COMFORT
ZONE.

-NEALE DONALD WALSCH-



A dark silhouette of a person's head and shoulders is positioned on the left side of the frame. The background is a vibrant, blurred landscape featuring a gradient from deep red at the top to bright blue and white at the bottom, suggesting a sunset or sunrise over water.

**WHAT IS YOUR FAVORITE PROGRAMMING
LANGUAGE?**

OUTLINE

- React 101 - 45 mins
- Interview Tips - 15 mins
- Questions - 30 mins

UBC 2014

SHRUTI KAPOOR



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#DEVJOKE

WHAT DID THE PROCESS SAY AFTER
WORKING IN AN INFINITE LOOP ALL DAY?

I NEED A BREAK

WHY DID THE JAVA DEVELOPER NEED
GLASSES?

BECAUSE THEY COULDN'T C#

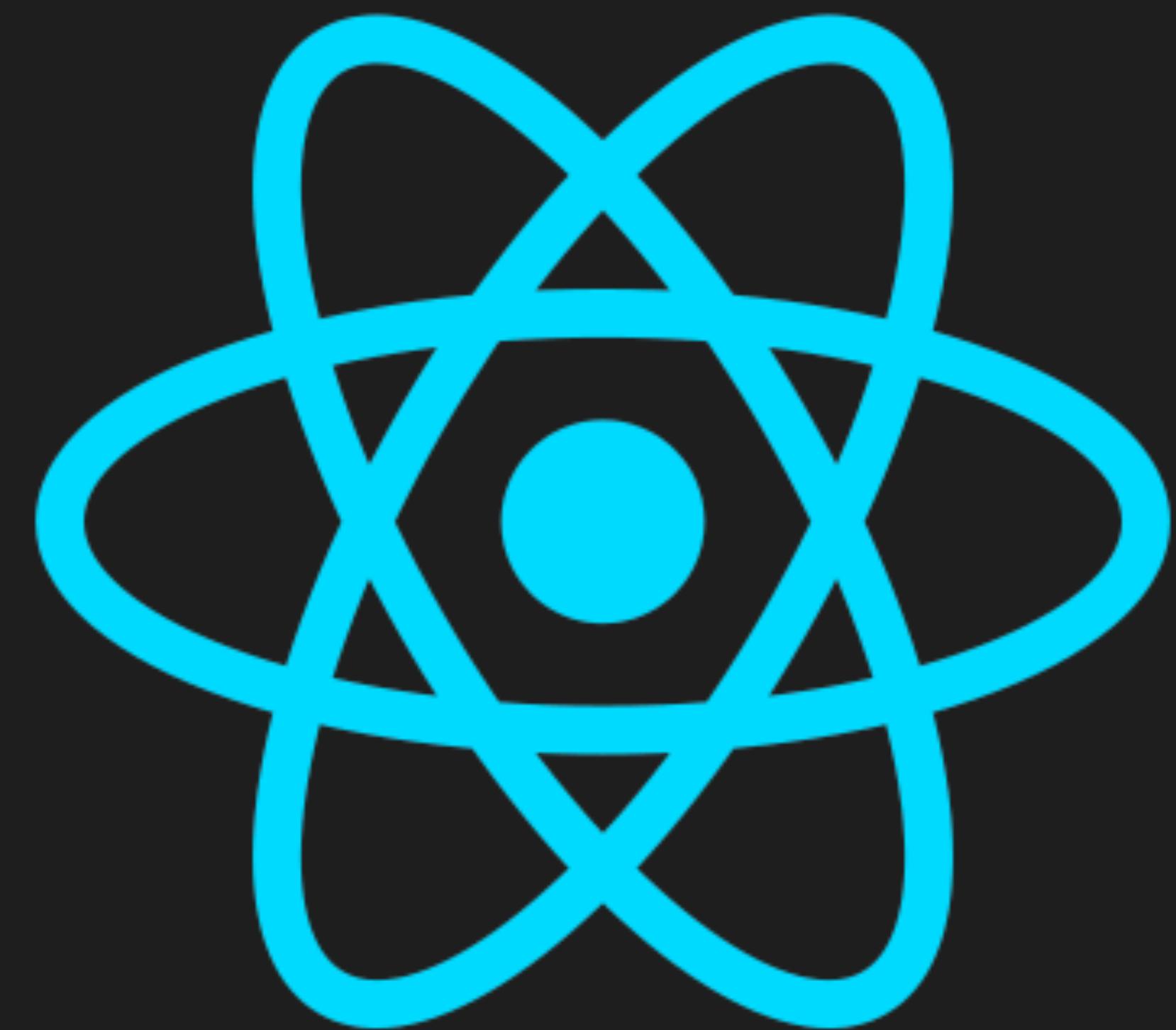
WHERE DO JAVASCRIPT DEVELOPERS HANG
OUT?

FOO BAR



@shrutikapoor08

REACT



REACT 101

- “JavaScript library for building UI”
- Made by Facebook
- JSX

REACT 101



```
export default function MyApp() {  
  return (  
    <div>  
      <h1>Welcome to my app</h1>  
  
      </div>  
  );  
}
```



```
function MyButton() {  
    return (  
        <button>I'm a button</button>  
    );  
}
```

[HTTPS://BETA.REACTJS.ORG/](https://beta.reactjs.org/)

REACT DOCUMENTATION



REACT EXERCISE

- Creating and nesting components
- Conditional rendering
- useState hook
- Adding CSS
- Handling events
- Pass data to components

REMEMBER REST APIs?

Web API

- Application program interface (API) to a defined request-response message system between clients and servers
 - Accessible via standard HTTP methods
- Request URLs that transfer representations (JSON, XML)

STEP UP REACT EXERCISE

- Get data from an API
- Render data
- Style it

INTERVIEWS



INTERVIEWS

- “Software Engineer”
 - Data structures and algorithms
 - Fundamentals of a language of your choice (C++, Java, JavaScript)
 - Systems Design (may or may not be there)
 - HR / Manager interview

INTERVIEWS

- “Software Engineer”
 - Data structures and algorithms
 - Fundamentals of a language of your choice (C++, Java, JavaScript)
 - Systems Design (may or may not be there)
 - HR / Manager interview
- Front-end Engineer
 - All of the above
 - Fundamentals of the web
 - Build a web feature using JavaScript, React
 - Implement CSS (Flexbox, etc)

GETTING AN INTERVIEW

- Recruiters
- Network
- Reach out on LinkedIn with a kind message
- Do not ask for “coffee”, “phone call”, etc.

TIPS

- Glassdoor, Leetcode, Blind
- Ask the recruiter!
- Remember the Big O
- Ask a friend or current employee of the company

JAVASCRIPT NON-EXHAUSTIVE "CURRICULUM"

- Array methods - map, reduce, filter, sort.
- JavaScript classes - eg: Implement Calculator
- `document.querySelectorAll` and DOM APIs

DATA STRUCTURE AND ALGORITHMS NON-EXHAUSTIVE “SYLLABUS”

- DFS, BFS
- Sorting
- Trees
- Big O notation
- Graphs

JAVASCRIPT COMMON QUESTIONS

- Implement throttle, debounce
- Implement Event Emitter function
- Call an API, render data on page, style it

COMMON REACT QUESTIONS

- <https://github.com/shrutikapoor08/react-coding-interview-questions>

PRACTICE

- Pramp
- Leetcode

To leetcode or not to leetcode?

WHEN INTERVIEWING IS HARD ...

- You are gonna fail some.
- But you are gonna pass the most important ones.
- Imposter syndrome is real. We all feel it. No matter where you are in your career.
- Put on a smile. Have a great time. Leave a good impression.
- Do not cheat.

“You only need one job offer”

–SARAH LADD, UBC CO-OP COORDINATOR

RESOURCES

- <https://github.com/yangshun/front-end-interview-handbook>
- <https://medium.com/@nick.ciubotariu/ace-the-coding-interview-every-time-d169ce1fd3fc#.zfbibje4z>