

Twitter Thread by Swapna Kumar Panda



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JavaScript First, Then React?

Or,

JavaScript + React?



■■■ Beginning Words

There are 3 approaches one can take to start React journey

- ❶ Complete JavaScript. Then, start React.
- ❷ Learn the essentials of JavaScript. Then, start React. Finally, learn advanced JavaScript.
- ❸ Start React. Learn JavaScript alongside.

■ Why is this Thread?

■ JavaScript is a language while React is one JavaScript-based library.

■ Looking at the popularity of React, few people directly start learning React without much/prior knowledge of JavaScript. Is this a good idea?

■ Whichever approach you may take, it's important to know what JavaScript concepts will make your React journey effective and, smoother.

■ We will discuss those essential concepts in this thread.

■ JavaScript Essentials for React

- ❶ Basics
- ❷ String Methods
- ❸ Array Methods

- ④ Array Destructuring
- ⑤ Array Spread
- ⑥ Object Destructuring
- ⑦ Object Spread
- ⑧ Template Literals
- ⑨ ES Modules
- ⑩ APIs & Others

❶ Basics

① Variable

- Declaration
- Scope
- Hoisting
- Assignment

② Functions

- Declarations
- Expressions
- Arrow Functions
- Callbacks
- Closure

③ Operators

- Arithmetic
- Assignment
- Comparison
- Logical

④ Literals

- String
- Array
- Object

⑤ Condition & Looping

- if, if...else
- for, for...in, for...of
- while, do...while

❷ String Methods

- toLowerCase()
- toUpperCase()
- charAt()
- substring()
- slice()
- includes()
- startsWith()

- endsWith()
- indexOf() / lastIndexOf()
- match() / matchAll()
- replace() / replaceAll()
- repeat()
- trim()

③ Array Methods

- forEach()
- map()
- reduce()
- flat()
- flatMap()
- find()
- filter()
- slice()
- splice()
- push()
- pop()
- shift()
- unshift()
- some()
- every()

<https://t.co/HVBUwFigWI>

25 powerful methods in JavaScript

\u21e9

— Swapna Kumar Panda (@swapnakpanda) June 13, 2022

④ Array Destructuring

It's frequently used in hooks esp. useState()

Example:

```
■ const [fruits, setFruits] = useState([]);
```

Know more:

<https://t.co/Pa7QF30FT3>

Array Destructure in JavaScript

\u2727 Explained like to a 10-years old

\u2727 Fully covered

\u21e9

— Swapna Kumar Panda (@swapnakpanda) June 20, 2022

5 Array Spread

There are so many use cases. One of the place where we frequently spread an array is adding/updating/removing an item from the state.

Example:

Add an item to the starting of Array

```
■ let newArray = [itemToAdd, ...oldArray]
```

Know more:

<https://t.co/L4Sxv94WOz>

\U0001f499 Spread and Rest Parameter Operators (...) in JavaScript

Follow this \U0001f9f5 for the easiest and never-to-forget type explanation. Thank me later \U0001f61d

Happy Weekend \U0001f44b

\U0001f447\U0001f447\U0001f447

— Swapna Kumar Panda (@swapnakpanda) November 12, 2021

6 Object Destructuring

■ Properties are passed as an object parameter to our function component.

■ We can destructure it and, specify only those properties that we are going to use.

Example:

```
function MyComponent({name, address}) {  
  
}
```

7 Object Spread

We may spread an object to pass those to a child component.

Example:

```
function MyComponent({name, address, ...rest}) {  
  return  
}
```

⑧ Template Literals

➤ Untagged Template Literals

➤ Tagged Template Literals

This is used in a few stylesheet libraries.

⑨ ES Modules

➤ import

➤ import {}

➤ export

➤ export default

⑩ APIs & Others

➤ DOM API

Very important to learn how React handles DOM, events.

➤ Promise API

➤ async...await

These 2 are not hard stoppers though.

➤ Fetch API

Not a hard stopper. Learn for making API calls.

■ Final Words

■ Learning method varies from person to person.

■ Remember, React is a JavaScript Library. JS knowledge is definitely needed. How and, at what time you learn that is tricky.

■ To start using React, learn necessary JavaScript concepts.

Happy React journey.

Hey ■

I am a Tech Educator and, Mentor from India ■■

I am sharing Tutorials, Tricks, Infographics, Cheat Sheets, Practice Questions, Project Ideas and Roadmaps on Web Development, DSA and, Databases.

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