

Day1: What is React?

Q1: What is React | ReactJS

React is a Javascript Library for building user interfaces (UIs).

It was developed and is maintained by Facebook

Why React?

Because reusable code (DRY), fast web development, Code is easy to manage and understand, High demand in the job market, Server-side rendering (better initial load times and SEO), Mobile app development, save resource like Internet data, when using react websites we having feeling like using an mobile app (smooth working). Top Companies uses react like Netflix, Airbnb, Reddit etc

React Popularity Because Of:

Component-Based

Virtual DOM

Declarative Syntax

One-Way Data Flow

Large Ecosystem

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Component-Based

A component is a small, reusable piece of code that defines a part of a user interface. e.g button, header, footer, navbar, sidebar etc.

Virtual DOM

Think of it as a smart mirror, showing only what's changed in your web page to save time and resources.

Declarative Syntax

It's like telling your web app what you want, and React figures out how to make it happen.

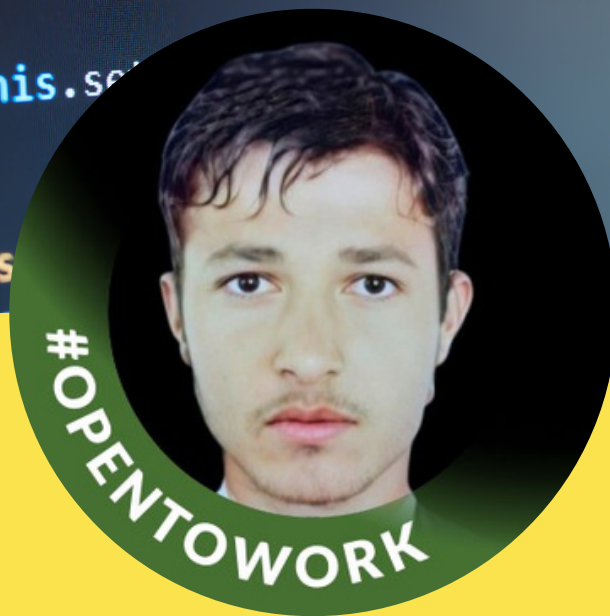
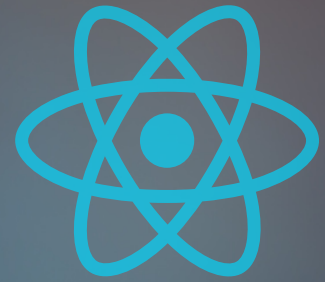
One-Way Data Flow

Data flows in one direction, like a waterfall—making it clear where changes come from and go to.
simplifying data management and reducing errors.

Large Ecosystem

It's like having a lot of useful tools and resources available for web development.

```
onRemove(index) {  
  const users = this.users.slice();  
  users.splice(index, 1);  
  return this.setState(  
    { users }  
  );  
}  
  
onAddSuccess
```



Arshad Khan
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