Which framework is more popular in the industry, Angular or React? How does this affect what you might want to study in the future?

I found and read through a couple of articles comparing the two frameworks. From what I understand, React is known to have better performance but Angular is known to have more freedom. While Angular is a full Model-View-Controller framework, React is mostly focused on the view. Both frameworks are always competing with each-other so they are both always improving. The article states that the decision between the two is mostly about preference but that those new to programming should probably choose React as it’s easier to learn. A developer should always check with companies they are applying to in order to know which framework the company uses though.

One major factor to look into is the fact that Angular is designed for mobile apps in particular. If you plan to create mobile apps, Angular is a good choice. Another factor may be the language- would you prefer Javascript and JSX or Typescript and HTML? Would you prefer the current reliable choice- Angular- or the one predicted to surpass it- React? Just because React is predicted to surpass Angular in the coming years doesn’t mean it will actually happen after all.

Reference:

Nead, R. Angular Vs. React: Which Is The Preferred Framework For Software Developers?. (Oct 20, 2023) dev.co <https://dev.co/angular-vs-react>

Stefanuk, A. A React vs AngularJS Developer: Ways To Hire The Right Person. (n.d.) Mobilunity <https://mobilunity.com/blog/a-react-vs-angularjs-developer-ways-to-hire-a-right-person/>

Jess,

I also found React to be much easier to work with, but I don’t think the ease of use is the issue. I think the issue is that React essentially just uses quick patches to put an app together which could cause problems later down the line. Apps written in angular are more purposeful. That doesn’t mean React will remain this way, especially considering the fact that the two frameworks are always improving while in competition with each-other. Knowing this, I’d say that the safe bet would become an expert in both if possible.

Professor and class,

The pros of Angular are:

1. It uses TypeScript which results in cleaner code and scalability
2. It’s a full Model-View-Control framework which allows more control of CRUD functions
3. It uses HTML to more clearly express the view part of model-view-control

The cons of Angular are:

1. It’s not as popular as React
2. There’s a high learning curve- I know I’ve had some trouble with it
3. It’s regular DOM results in lower performance than virtual DOM

The pros of React are:

1. It’s virtual DOM results in higher performance than regular DOM
2. It’s the most popular JavaScript framework
3. It has a low learning curve- the react activities are easier to understand for me

The cons of React are:

1. It uses JavaScript which doesn’t have as much scalability as TypeScript
2. It’s mostly focused on the View part of a Model-View-Control framework
3. React only allows one-way data binding so data can only flow in one direction

Scott,

If both have bootstrap then I could see both Angular and React being good tools for mobile development, but Angular is a bit more focused on mobile development in particular. It also uses NativeScript and Iconic which allows for cross-platform development. It also makes use of two-way data binding so that the data flow can go both ways- React only has one-way data binding- although I would think this is useful for both mobile and web.

Dempsey,

That’s exactly what I thought too- We need to do research on which companies we want to work for and choose which framework accordingly. Another option would be to learn both which would require more effort but doing so may just about guarantee a job. If choosing one to use for your own project, I’d say to pay attention to the kind of companies that use each framework. Like you mentioned, react is more designed for fast-paced projects like social media while Angular is designed for steady and secure projects like PayPal. As easy as the learning curve is for React, I still lean more towards Angular because I feel maintaining an Angular application would be less of a headache.