React

The React library, which is maintained by Facebook, is structured into reusable components and is a lightweight alternative to the Angular framework. React’s core principles can be understood in a couple of hours by developers with some front-end framework experience due to its thorough documentation. The focus is on UI, so the essential thing you get is its support for building user-facing components. React requires one to learn JSX as well as other libraries which would require much more time to train devs. However, the library is becoming an Industry standard and is a pioneer of being the most popular framework in the professional space.

Vue

Small and fast are the strongest boasting points of Vue.js. The light framework with one of the best documentations have an easy integration with both scalability and versatility. Familiarity and readability from the practices of Vue’s framework makes development fast and easy for the perfectionists. However, the tradeoff comes from its youth. Some of the most common Javascript components are lacking support while its fast evolving library makes you run into many outdated documentations. Some may even learn of Vue’s reactivity limitations the hard way. This makes getting familiar with the library a necessity, an investment well worth considering.

Results

Vue is leaner, a straightforward, and fresh framework that deserves recognition for being super simple to learn, very low on boilerplate code, performant, flexible and overall a complete package. Vue is fun and fresh new tool for front-end developers to utilize with and is pretty straightforward. The steadily-growing growth of Vue can easily support the rise of popularity of Vue becoming at least as popular as React very soon.

Impact

The project attempts to answer the day old question of Vue vs React. This helps companies gauge the possibility of investing their resources to explore new web frameworks.

Performance

In terms of comparison, React offers support for Server-Side Rendering (SSR) out of the box, and could come out useful for some types of implementations. While Vue is also a progressive framework, build from the ground up to be incrementally adoptable. The core library is focused on the view layer only and is easy to pick up and integrate with other libraries or existing projects. Both Vue and React has a built-in support for bundling and tree-shaking for minimizing end-user resource burden, which is ideal for modern application.

Summary

React is a trend-setter and a highly demanded skill in the industry. React is a clear leader today, both in industry-hype and front-end application. React makes it easy to build both complex and straightforward web and mobile applications, but it comes with a price—framework complexity and boilerplate. Vue is leaner, a straightforward, and fresh framework that deserves recognition for being super simple to learn, very low on boilerplate code, performant, flexible and overall a complete package. Vue is fun and fresh new tool for front-end developers to utilize with and is pretty straightforward. The steadily-growing growth of Vue can easily support the rise of popularity of Vue becoming at least as popular as React very soon.