

Comparing the Performance of Flutter and ReactJS for Web Development

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Abstract: *This research paper aims to assess the performance of Flutter, a cross-platform development framework, as compared to other widely-used web development frameworks like ReactJS for developing web applications. The study will analyse the advantages and limitations of each framework with respect to cross-platform compatibility, development time, and community support. The research aims to provide significant insights to web developers seeking to build efficient and user-friendly cross-platform web applications. By comparing the frameworks' performance, this research will offer valuable guidance for selecting the most suitable framework for developing high-performing cross-platform web applications.*

Keywords: SEO (Search Engine Optimization), Responsiveness, Cross platform development, Web development, ReactJS, Flutter, Programming Languages, Frameworks

REFERENCES

- [1]. Web Development - <https://blog.openclassrooms.com/en/2018/03/28/web-development-definition/>
- [2]. Coded Websites vs WordPress Websites (Research Paper)
- [3]. Flutter - [https://en.wikipedia.org/wiki/Flutter_\(software\)](https://en.wikipedia.org/wiki/Flutter_(software))
- [4]. Cross-platform Development Advantages - <https://www.clariontech.com/blog/cross-platform-application-development-benefits-and-technology>
- [5]. Programming languages- <https://www.browserstack.com/guide/flutter-vs-react-native>
- [6]. Search Engine Optimization - https://cinnamon.agency/blog/post/flutter_and_seo
- [7]. Backend Connectivity - <https://betterprogramming.pub/how-to-connect-flutter-to-node-js-3e13b356c08d>
- [8]. Cross-Platform App Development With Flutter - <https://medium.com/rpdstartup/cross-platform-app-development-with-flutter-2b97a7eacfa0>
- [9]. React Native vs Flutter: Which One is Better for 2023? - <https://fireart.studio/blog/flutter-vs-react-native-what-app-developers-should-know-about-cross-platform-mobile-development/>
- [10]. Performance Comparison - <https://codewithandrea.com/videos/flutter-web-html-css-js-performance-comparison/>
- [11]. https://www.reddit.com/r/FlutterDev/comments/oueci0/how_would_you_compare_react_and_flutter_web/