


Here’s a clear side-by-side comparison of the features of React Native vs Flutter, showing how they differ in structure, performance, language, and community support



## React Native vs Flutter: Feature Comparison

Feature	React Native	Flutter
Developer	Meta (Facebook)	Google
Programming Language	JavaScript (with React)	Dart
Performance	Uses a JavaScript bridge to communicate with native modules — good performance but slightly less than Flutter’s direct rendering engine.	Uses Skia rendering engine for direct rendering, often faster and smoother UI performance.
UI Components	Uses native components — the look feels truly native on both Android and iOS.	Uses Flutter widgets, custom-rendered for consistent UI/UX across platforms.
Learning Curve	Easier for JavaScript/react developers; widely known and used.	Requires learning Dart, but offers a cohesive framework and consistent documentation.
Hot Reload	Supported — allows instant view of code changes.	Supported — very fast and stable hot reload feature.
Third-Party Libraries	Huge JavaScript ecosystem and mature support.	Growing library support; not as large as React Native’s JS ecosystem.
Community & Maturity	Older, with more active users and long production history.	Newer but growing fast with Google’s continued backing.

Feature	React Native	Flutter
UI Consistency Across Platforms	Slight differences due to platform-native components.	Extremely consistent look across platforms (custom widgets).
App Size	Typically smaller app size.	Slightly larger due to bundled engine and widgets.

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## Summary

- React Native is best if you prefer JavaScript, want native feel, and need strong community support.
  - Flutter is ideal for those wanting faster performance, consistent UI, and modern architecture using Dart.
- Both are excellent — the right choice depends on your team's skill set and project requirements.
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