

Build iOS Apps with React Native

Introduction



Hendrik Swanepoel

tagtree.tv | @hendrikswan



React Overview

Simple



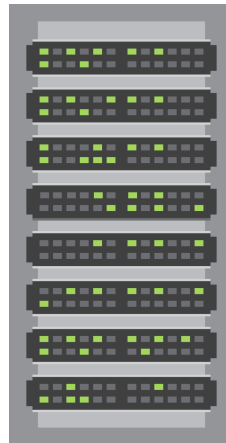
It doesn't attempt to be more than a view library, and doesn't make assumptions about the rest of your architecture

Performant



Uses a virtual DOM to push only changes to the DOM instead of re-rendering everything

Server Side Friendly



Virtual DOM allows rendering on the server side and sending final HTML to browser (SEO friendly)

Self Contained Components

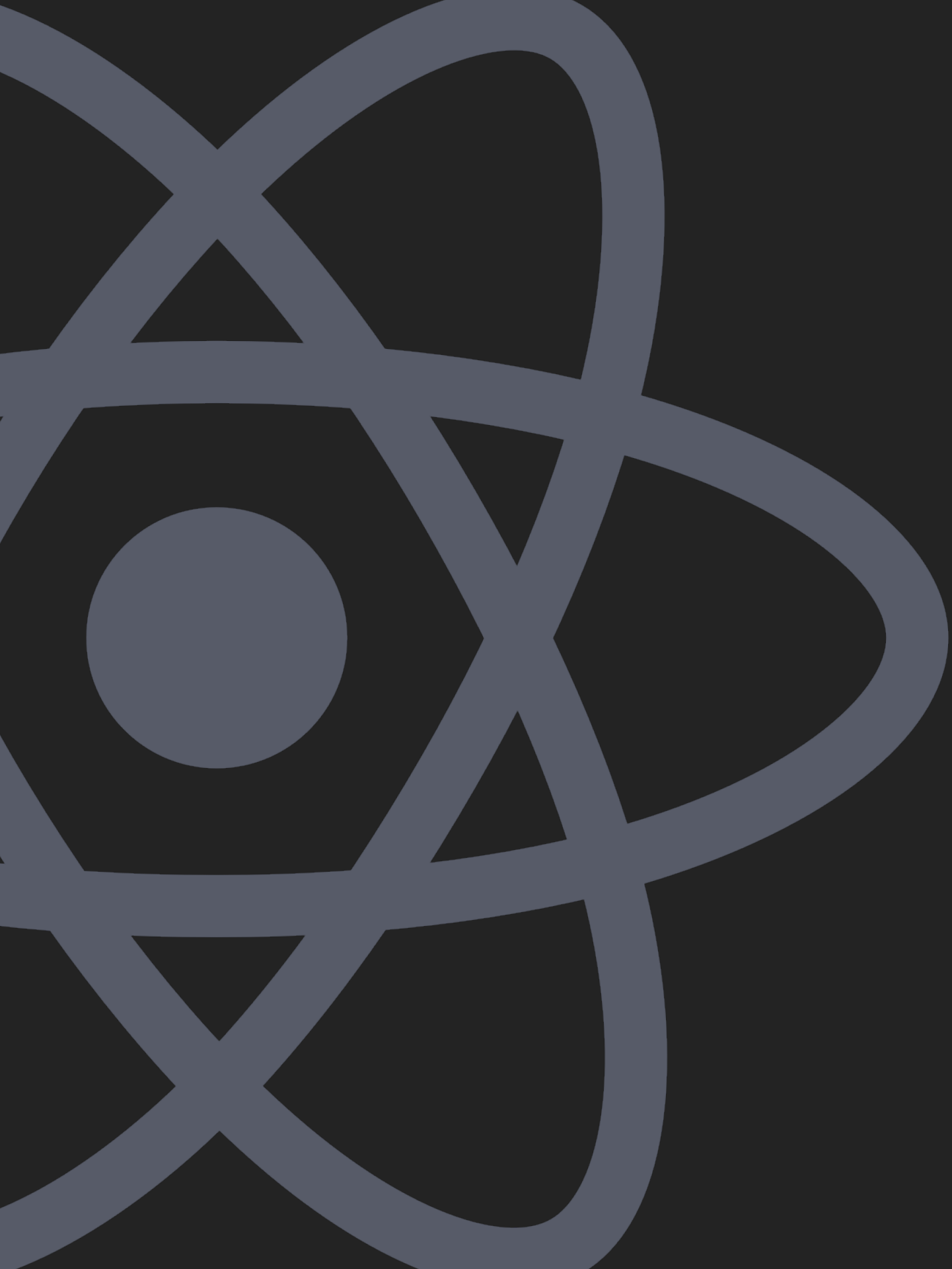


JSX allows mixes HTML in with JavaScript, which results in self contained components

Backed by Facebook



Used by Facebook on large scale



What is React Native?



React Native enables you to build world-class application experiences on native platforms using a consistent developer experience based on JavaScript and React.

-React Native Home Page

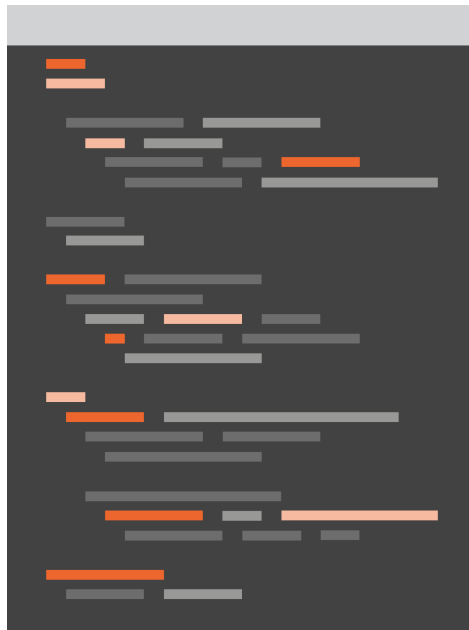


No HTML



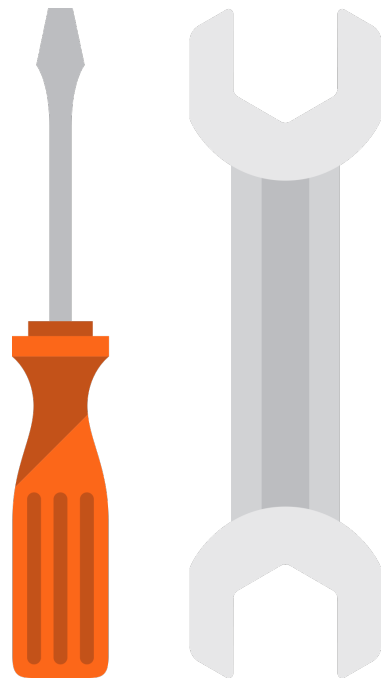
The UI is composed of **100% native** iOS controls (UIKit), with no uncanny valley effects or performance issues

JS and React



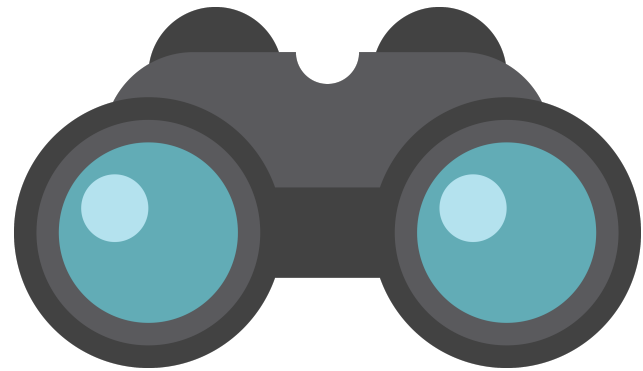
A familiar language and a familiar framework with excellent community, no UIKit experience required

Familiar Workflow



A web like workflow that allows you to refresh your app from the simulator

Excellent Debugging Support



Debug your JavaScript React code in the
chrome developer tools

CSS-like Styling

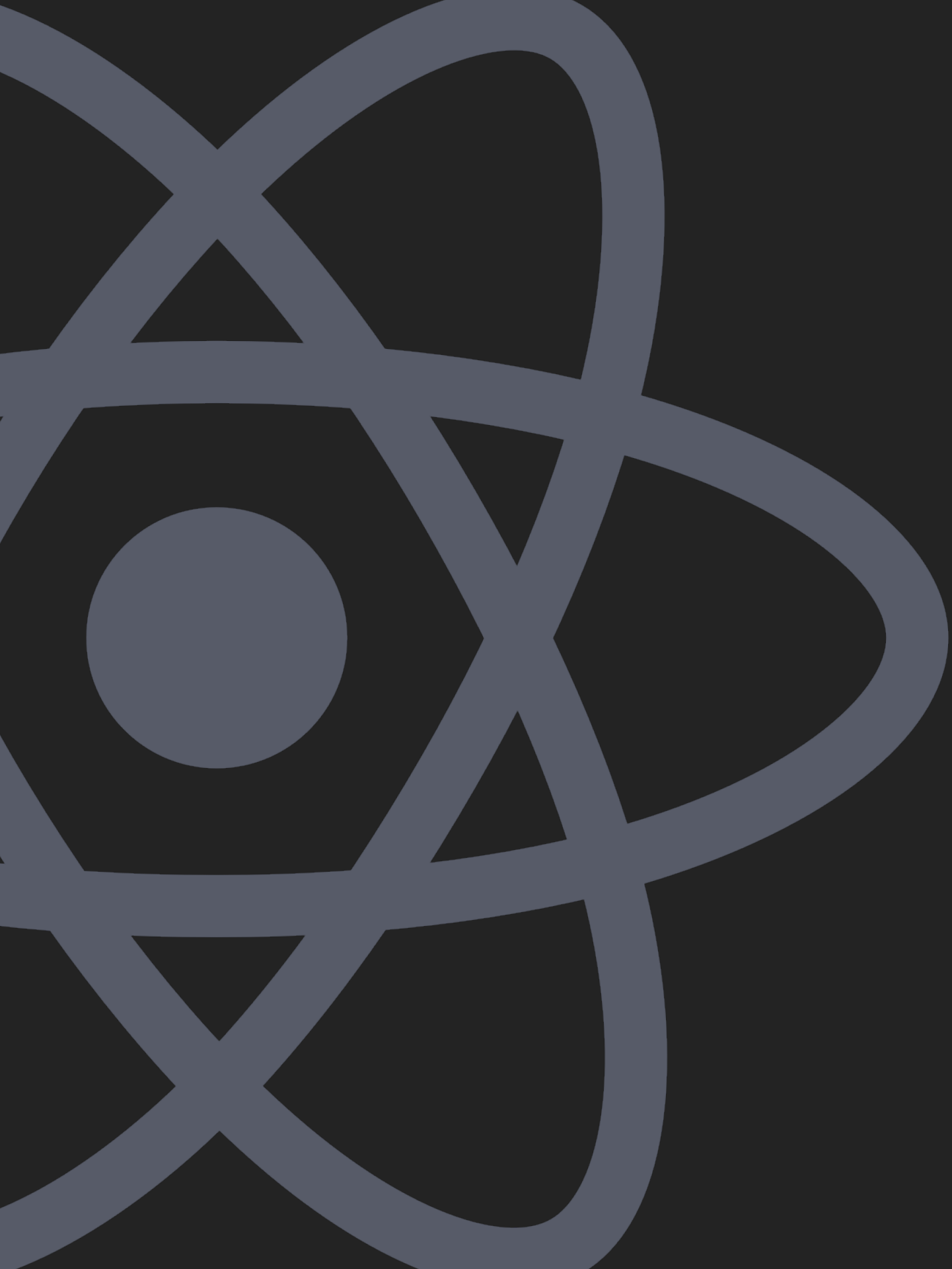


Style your views declaratively with a syntax very similar to CSS

Layout with FlexBox



A familiar and intuitive way to provide layout for your native app



Our Sample App



How It Works

Compile to JS

Load JS in
JavaScriptCore

Render native
components

```
{  
  </>  
}
```

JSX

```
{  
  ;  
}
```

JS

render();

JSCore

[[UIView alloc] init];

Obj-C

