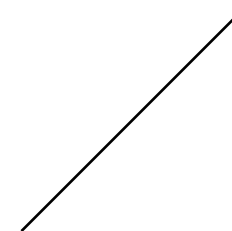


Introduction to React

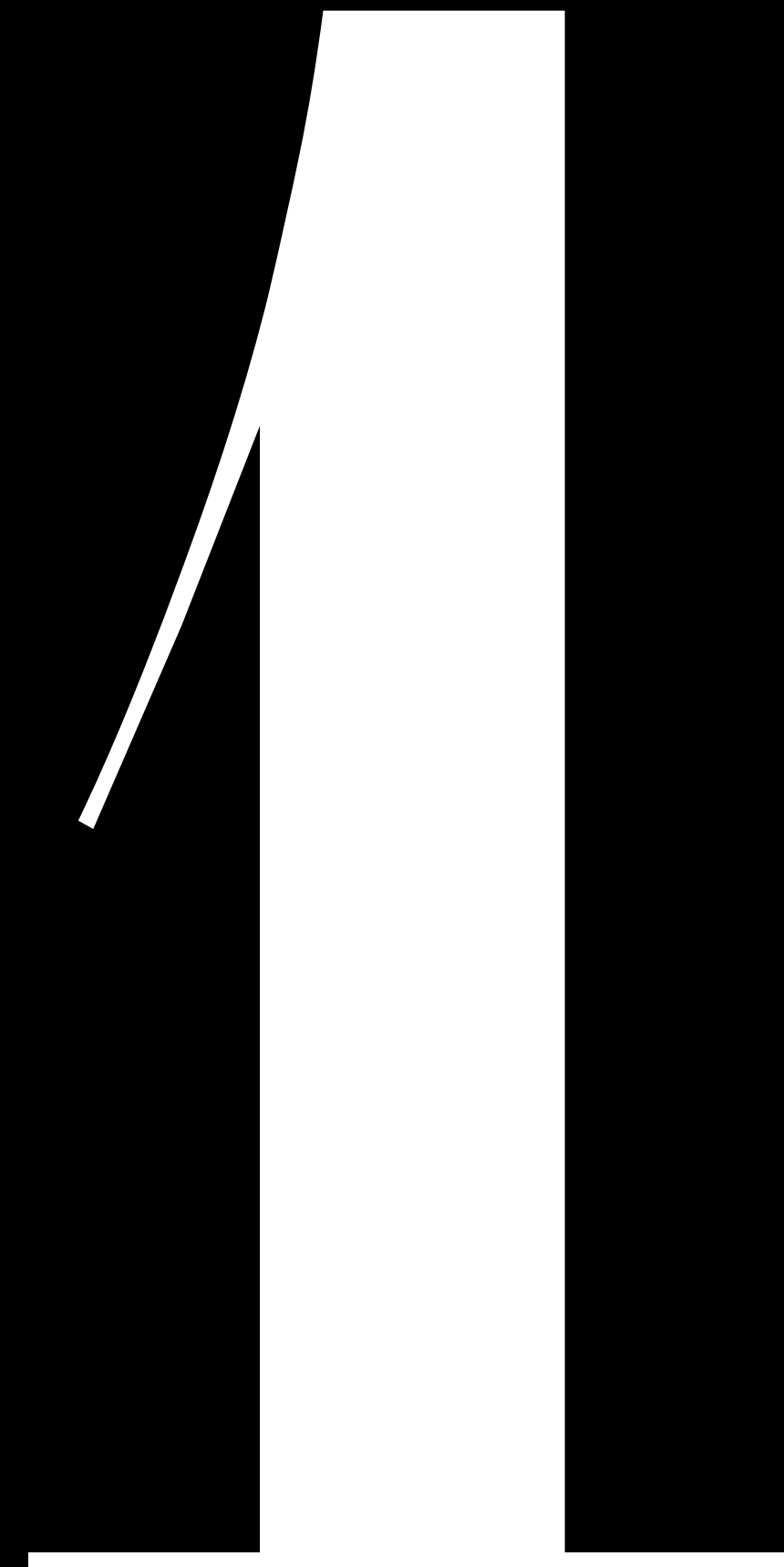
Nemanja Nićiforović
Stanko Tadić



ITgirls



Who we are



WHO WE ARE

**Nemanja
Nićiforović**

Technology Director

**Stanko
Tadić**

Principal Developer

<https://stanko.github.io>

OUR MISSION

Design & develop the
digital products people use
every day



Rapha

 TARGET

CHASE 

 *Virgin* america

Aēsop[®]



facebook

Google



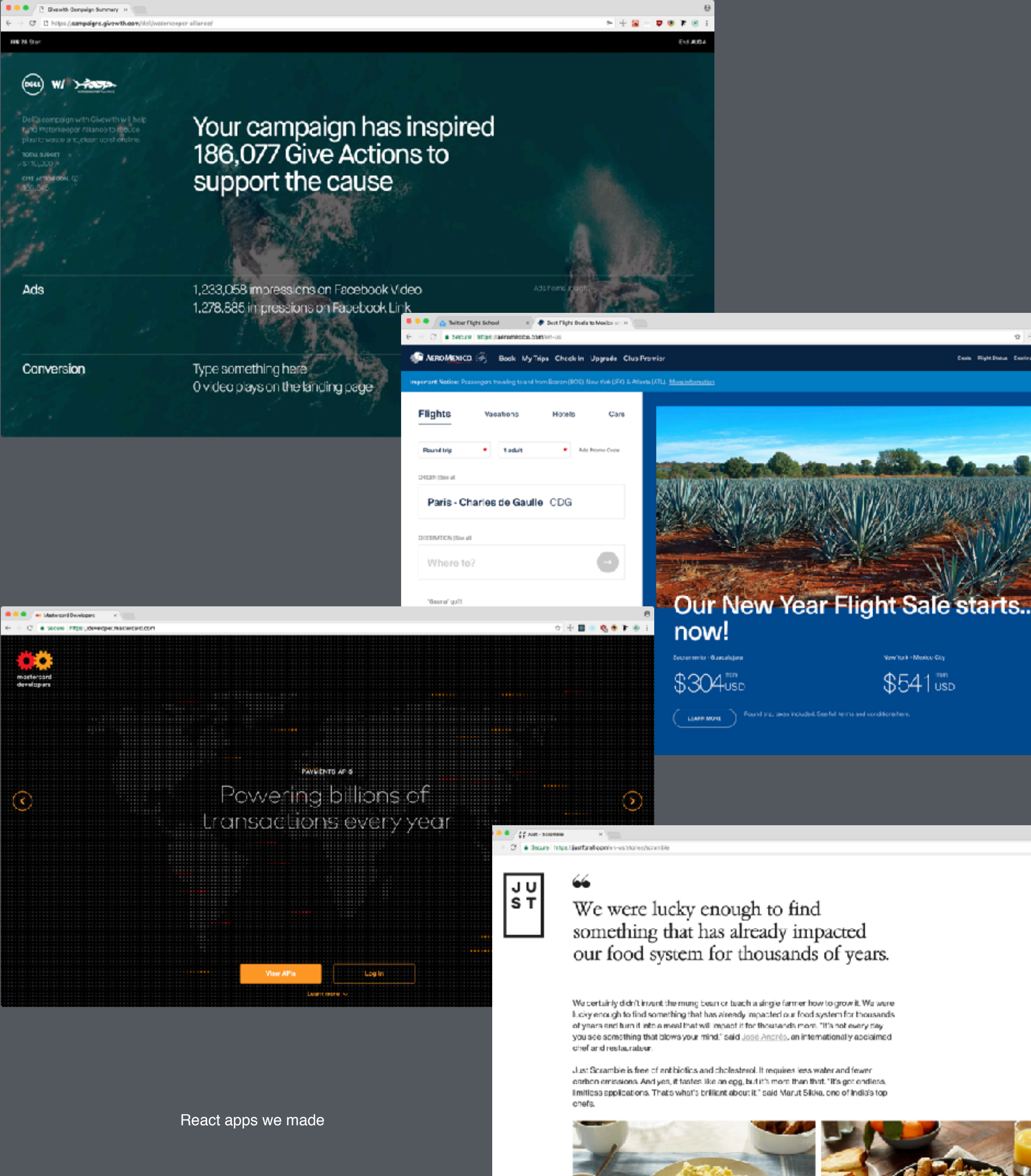
T-Mobile

ALDO

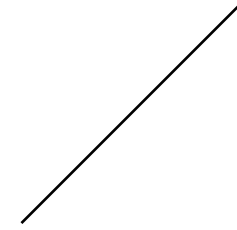
You  Tube

Technologies we use

- JavaScript
 - React
 - Angular
 - Node
- Java
 - Server
 - Android
- Objective C
- Swift
- ...



React apps we made



Paid
Internships

What is React



WHAT IS REACT

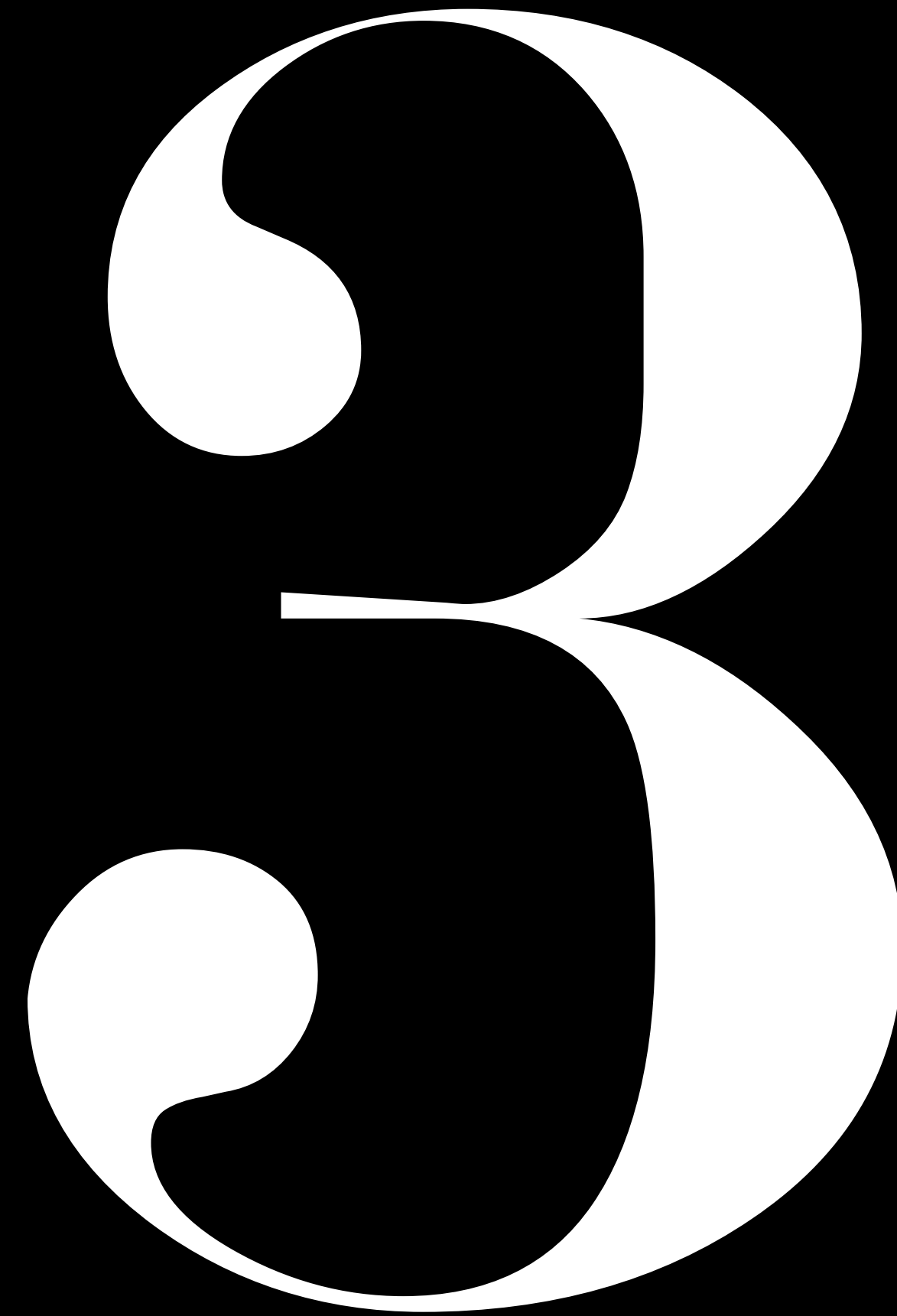
A JavaScript library for
building user interfaces



Components (instead of MVC)

- Component based approach lets us create complicated user interfaces composing smaller components
- It is easy to “map” data to UI
- React will efficiently update and render just the right components when your data changes
- Declarative views make your code more predictable and easier to debug.

Why React



WHY REACT?

Because
it is awesome!



Why React

- **Library, not a framework**
It is fairly small and let you choose other tools you want to work with
- **Components instead of templates**
JSX, JavaScript as a “templating” language
- **Simplifies working with DOM**
React does it for you
- **Large ecosystem**
JavaScript is leading the popularity charts on GitHub for years
- **Modern**
ES6, Babel, Webpack...
- **React native**
Build once deploy across platforms

Who is using it

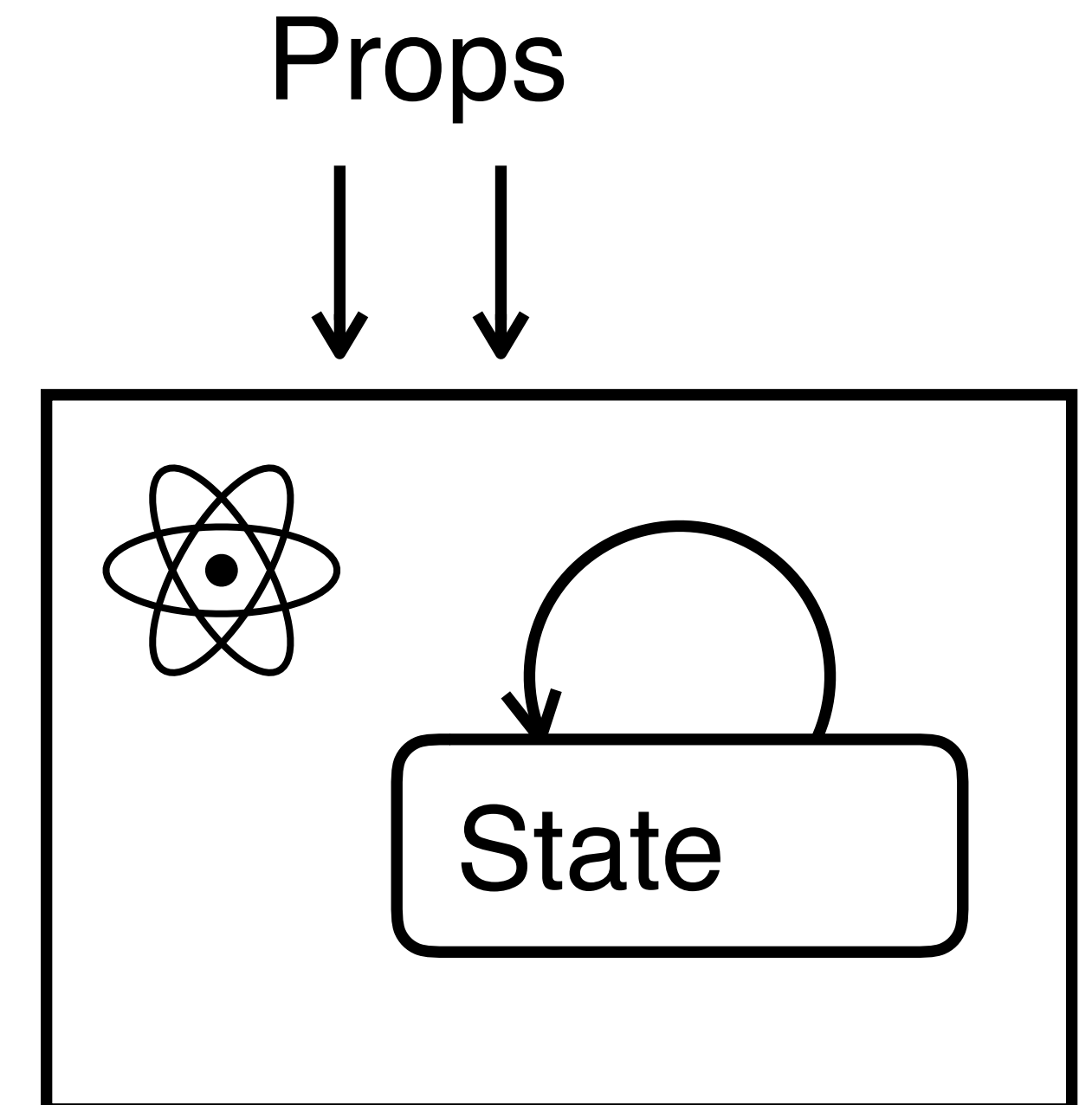
- Facebook
- Instagram
- Netflix
- Apple
- Yahoo
- Atlassian
- New York Times
- WhatsApp
- Dropbox
- ...

Components

4

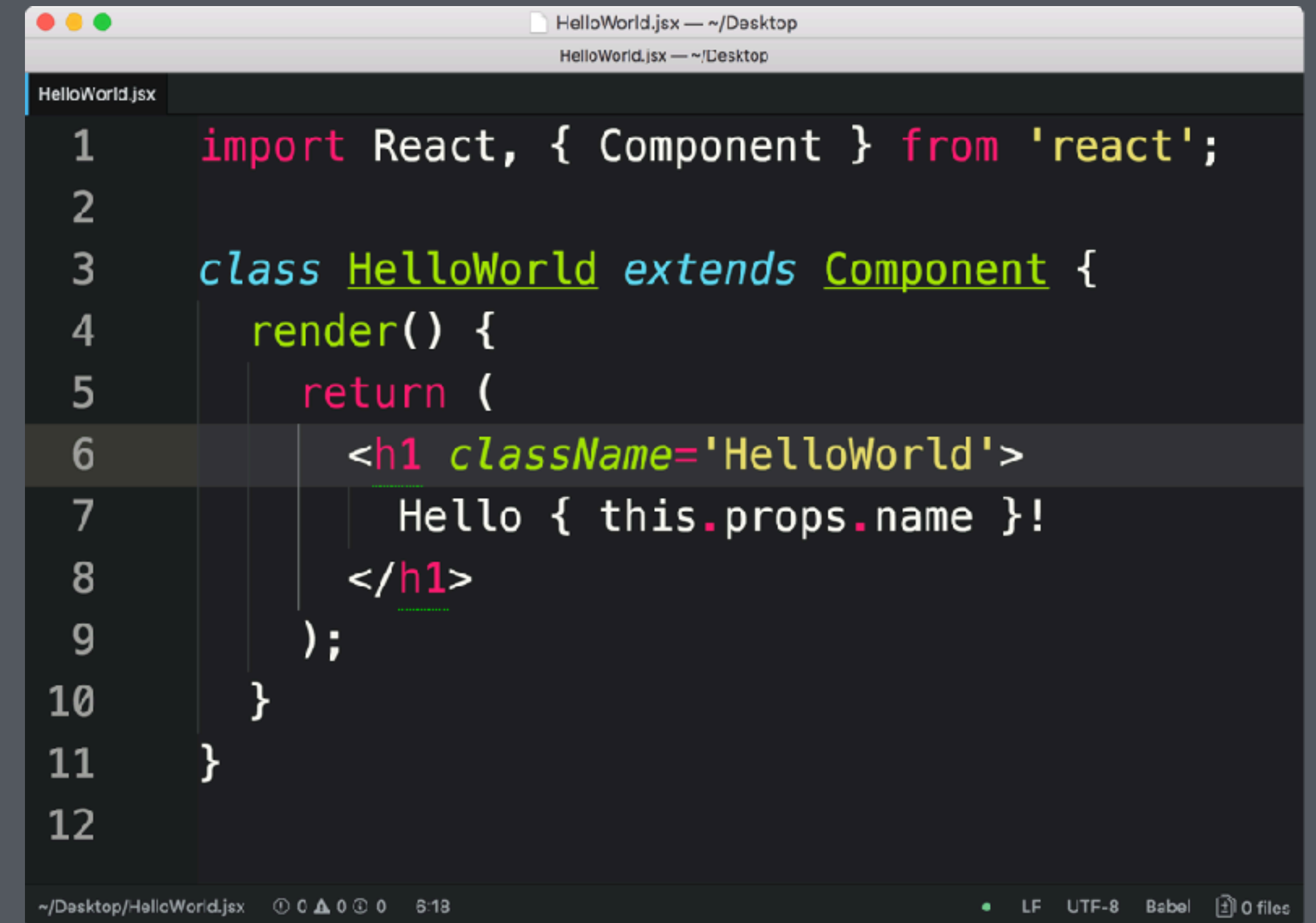
Components

- **Plain JavaScript, small API**
- **Props and State**
- **Virtual DOM**
- **Unidirectional Data Flow**
- **Renderers**
DOM, node (server), native (iOS, Android)



Hello World!

<https://codepen.io/stanko/pen/GyPdLL>



```
1  import React, { Component } from 'react';
2
3  class HelloWorld extends Component {
4    render() {
5      return (
6        <h1 className='HelloWorld'>
7          Hello { this.props.name }!
8        </h1>
9      );
10   }
11 }
12
```

The screenshot shows a code editor window titled 'HelloWorld.jsx — ~/Desktop'. The code is written in a dark-themed editor with syntax highlighting. It defines a class component 'HelloWorld' that extends 'Component'. The 'render' method returns a single JSX element: an 'h1' tag with 'className='HelloWorld'' and the text 'Hello { this.props.name }!'. The bottom status bar shows the file path '~ / Desktop / HelloWorld. jsx', character encoding 'UTF-8', and other editor settings.

Simple demo

<https://codepen.io/stanko/full/QaBYJP/>

Advanced Stuff



Advanced Stuff

- **Flux / Redux**
Data store
- **Hot Module Reload**
Performant development
- **Universal rendering**
SEO friendly
- **React Native**
Mobile applications

Thank You!

Q&A

