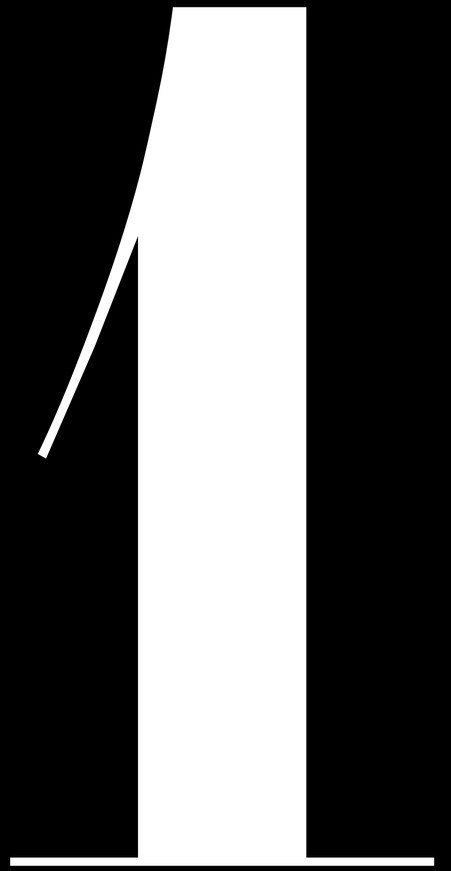
Introduction to React

Nemanja Nićiforović
Stanko Tadić

Meetup
February, 2018

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

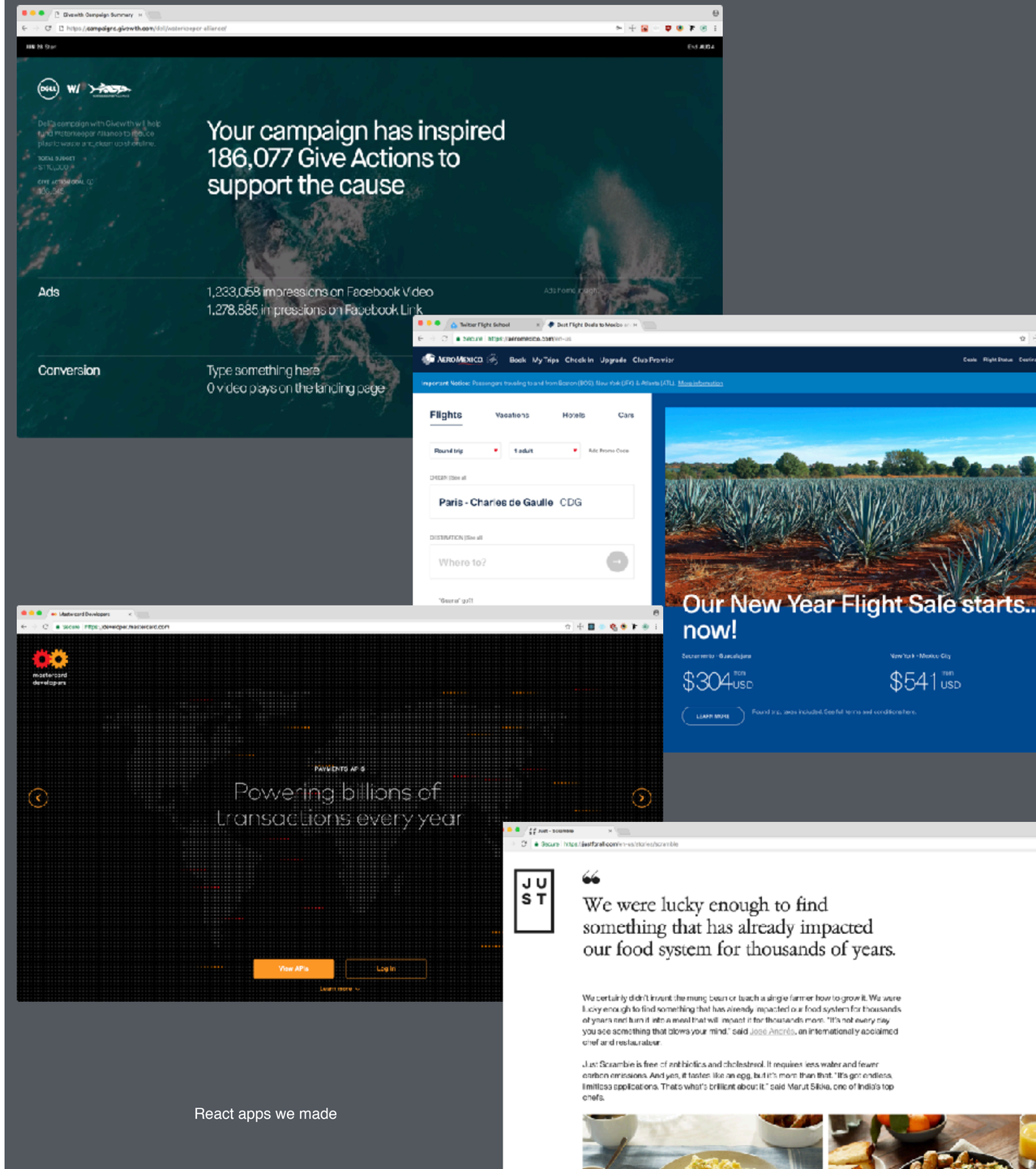
T··Mobile···

ALDO

YouTube

Technologies we use

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



React apps we made

WORK
&CO

Paid
Internships

What is React

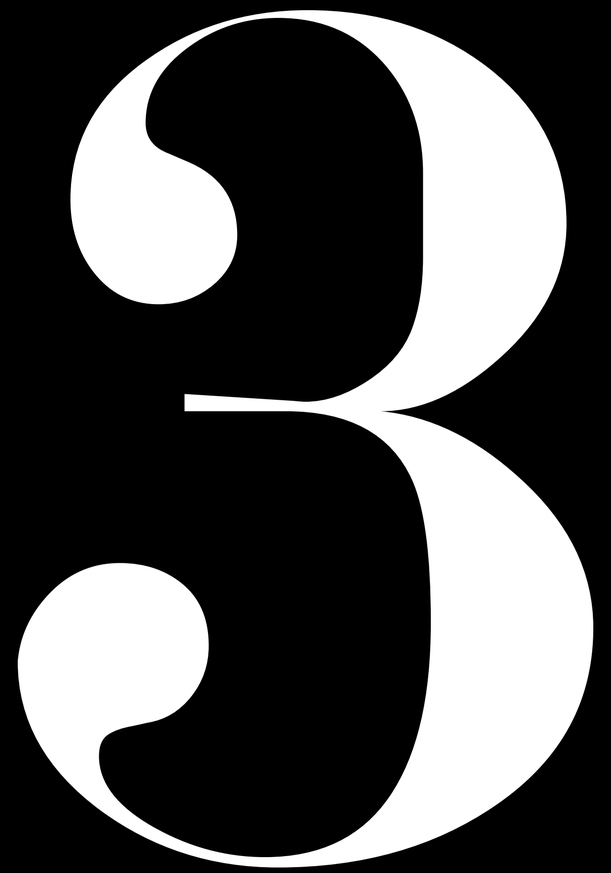
WHAT IS REACT

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



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

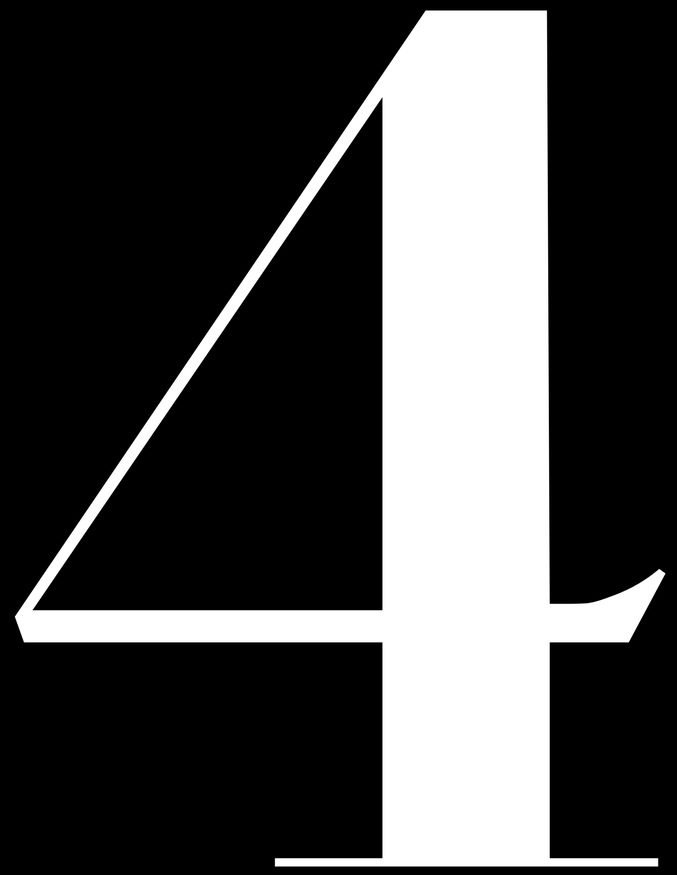
- **Modern**
  ES6, Babel, Webpack…

- **React native**
  Build once deploy across platforms

Who is using it

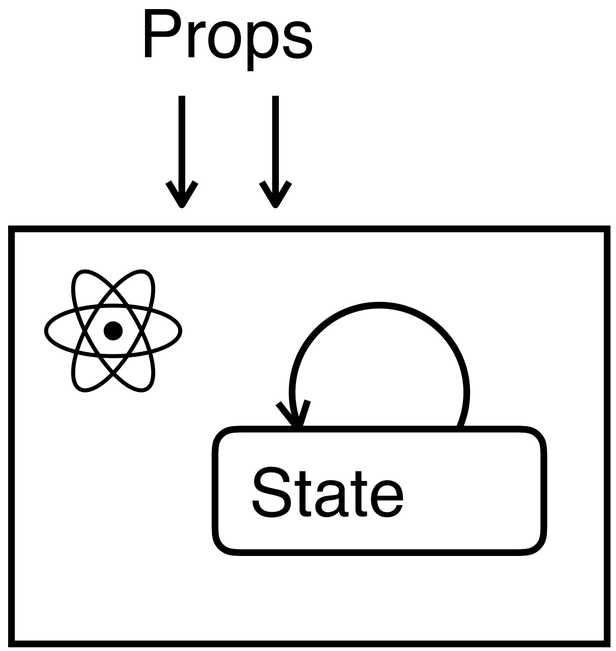
- Facebook
- Instagram
- Netflix
- Apple
- Yahoo
- Atlassian
- New York Times
- WhatsApp
- Dropbox
- …

Components



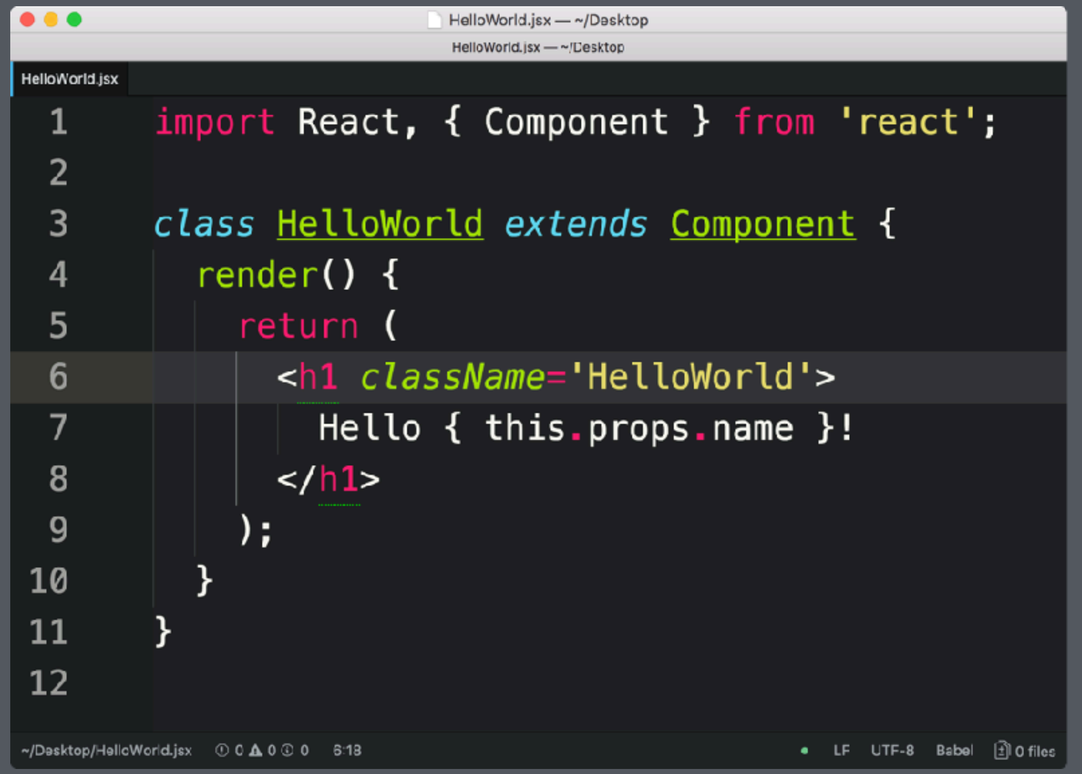
Components

- **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



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