

From Hackathon to React Native

Christopher “vjeux” Chedeau



QCon
NEW YORK

Plan

● Historical Context

Demo

● JavaScript Execution

Demo

● API Design

Demo

● Convincing





Facebook 2012: Mobile First Company

Mark Zuckerberg is shown from the chest up, sitting in a black chair and speaking into a microphone. He is wearing a dark grey t-shirt. His right hand is raised in a gesture, palm facing up. The background is a blurred stage setting with green and white lighting. A large white text overlay is positioned at the bottom of the image.

“Our biggest mistake was betting too much on HTML5”

Mobile Web?

- Touch Handling
- Browser UI & Gestures
- Keyboard & Dimensions APIs
- Image Management



Mobile Native?

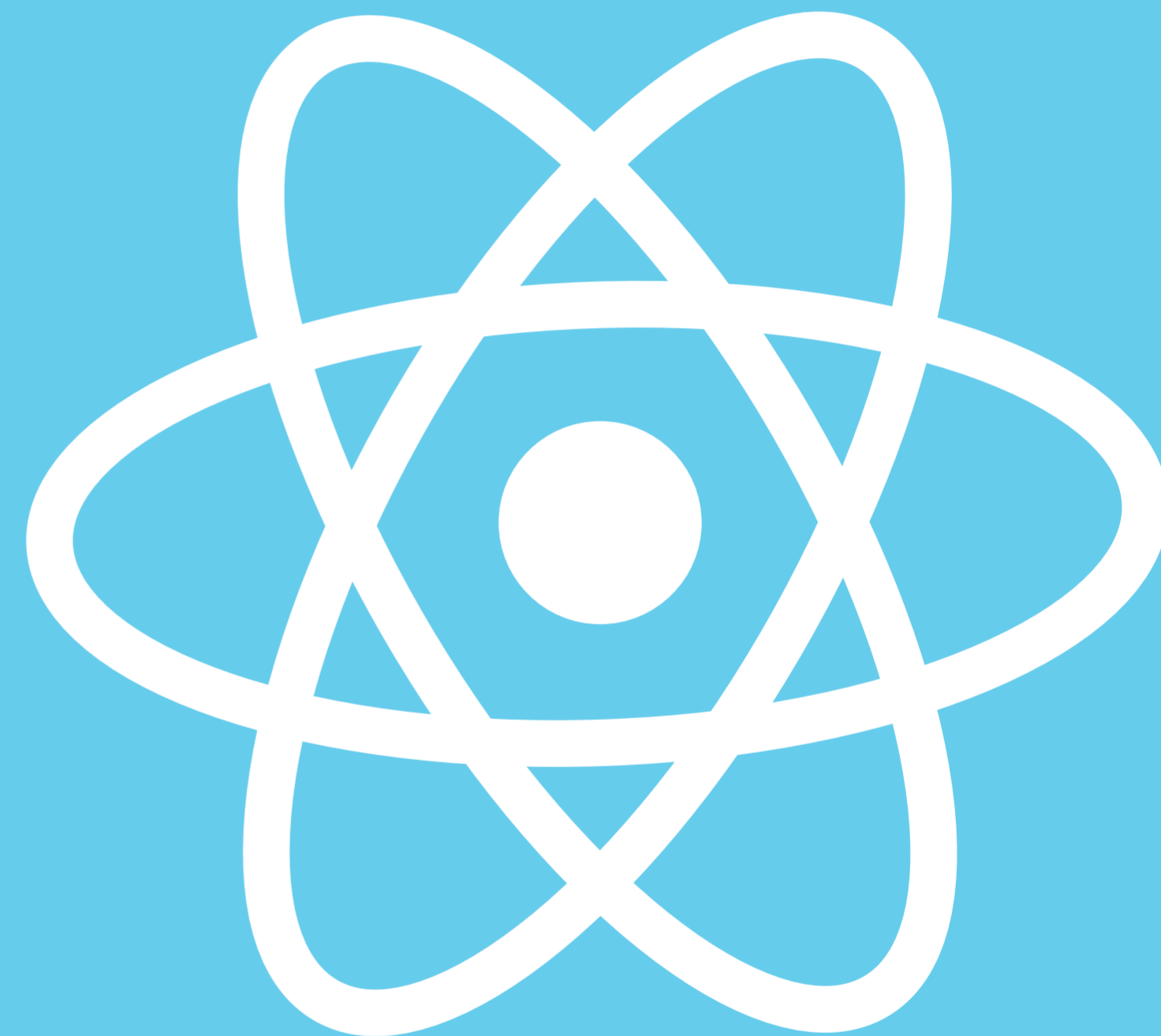
iOS?

- Iteration Speed
- Imperative APIs
- Show Random Experiments

Sad Panda



React Native



f8

Carrier 4:15 PM

Filter Schedule

Day 1 Day 2

All Day DENIOS

11:00 AM Lunch

12:00 PM Implement Facebook Login Securely
Cowell C

The Latest and Greatest from Parse
Hacker Y

How News Feed Works

25 Schedule My Schedule Map Notifications

JavaScript Execution

Goal

You should write Objective-C in
Objective-C and JavaScript in
JavaScript

Bridge

Asynchronous

(callback)

Batched

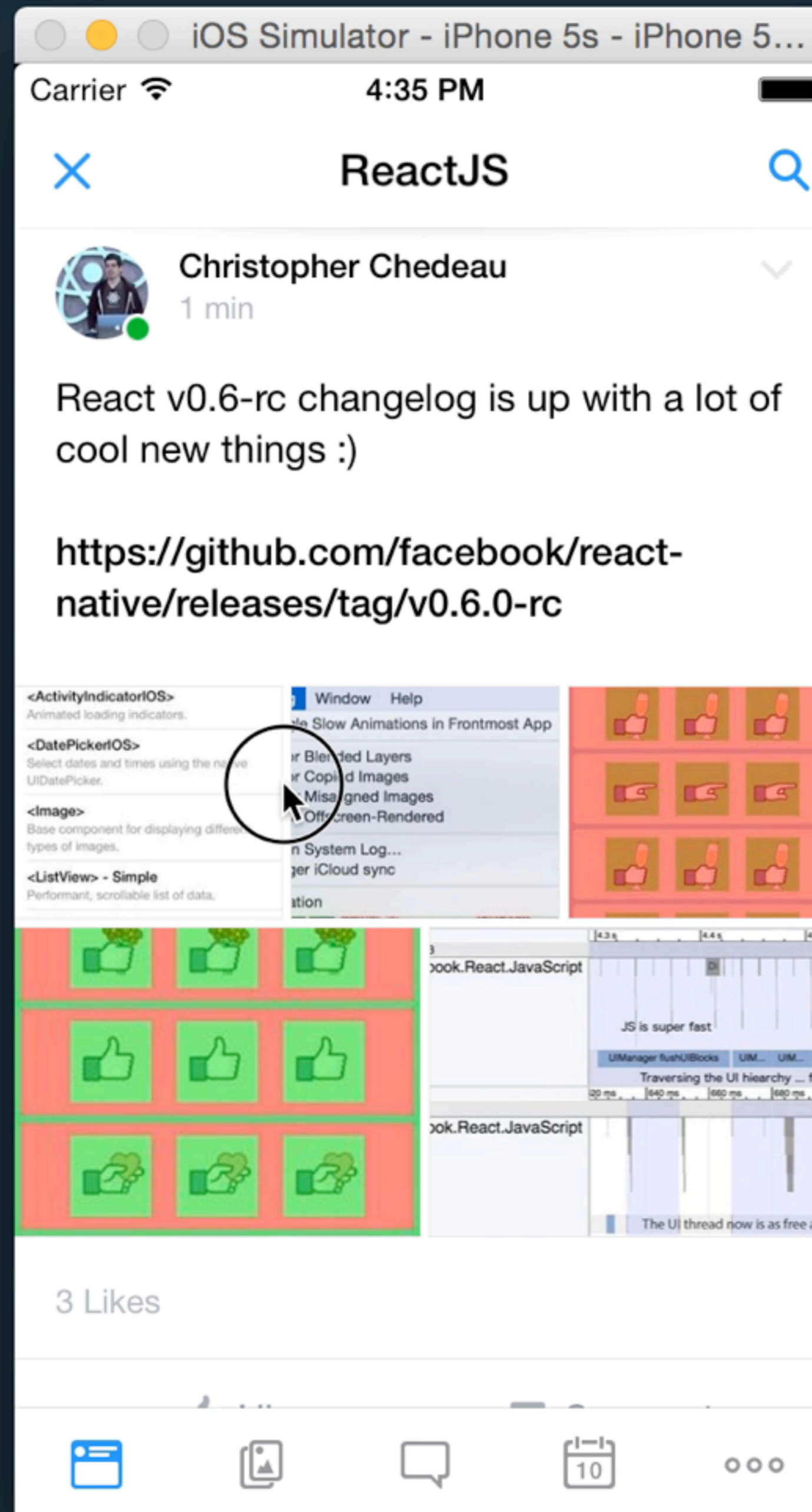
Serializable

(json)

Execution Engines

- JavaScript Core
- WebView
- Chrome
- Heroku!?

Groups



The background is a solid blue color with a pattern of thin, white, curved lines and small circles, resembling a stylized globe or a network diagram. The lines are mostly horizontal and curve upwards, with some vertical lines intersecting them. Small white circles are scattered throughout the pattern.

How do we design APIs?

API Design

Wait

Study

**Future
Proof**

Codemod

Wait

Wait

“The main reason overfitting happens is because you have a small dataset and you try to learn from it” — Prateek Joshi

Study

**iOS, Android and Web are not
that different**

Study

- **iOS:** `SCNetworkReachability`
- **Android:** `ConnectivityManager`
- **Web:** `navigator.connection`

Study

getConnectionType()

- none
- wifi
- 2g
- 3g
- 4g

Study

isConnected?

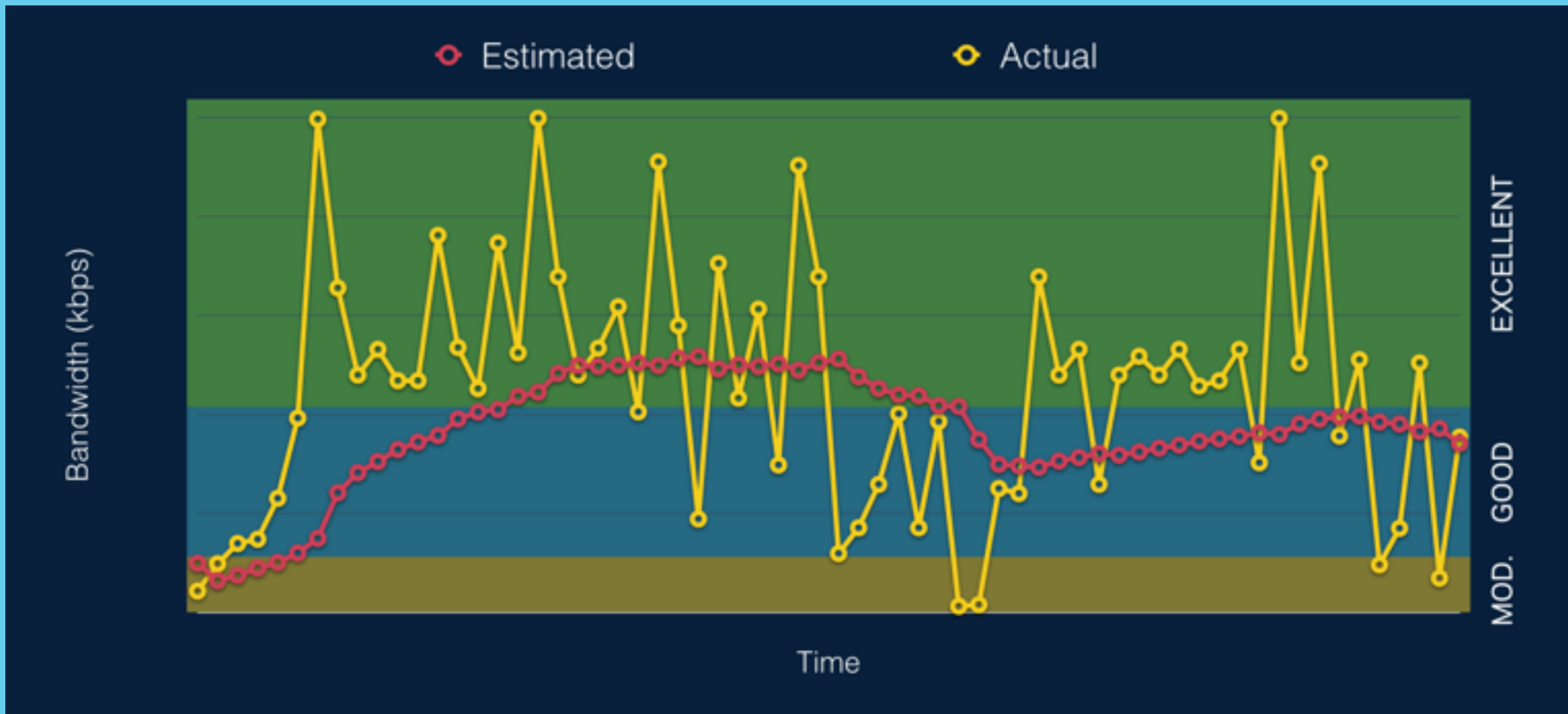
Study

isMetered?

Study

isFast?

Future Proof



Connection Class

Codemod

“Code multiplies when you’re not looking, not unlike bunnies that tend to multiply when you’re not looking.” — Nicholas C. Zakas



Wait


Escape Hatches



Groups



Carrier 8:52 PM

ReactJS


 **Jorge Cuadra Fueyo**
May 31


does anyone has a gist on how to setup with babel, react/jsx, ESLint, browserify, flow, and jest?


4 Comments


 Like  Comment






View previous comments

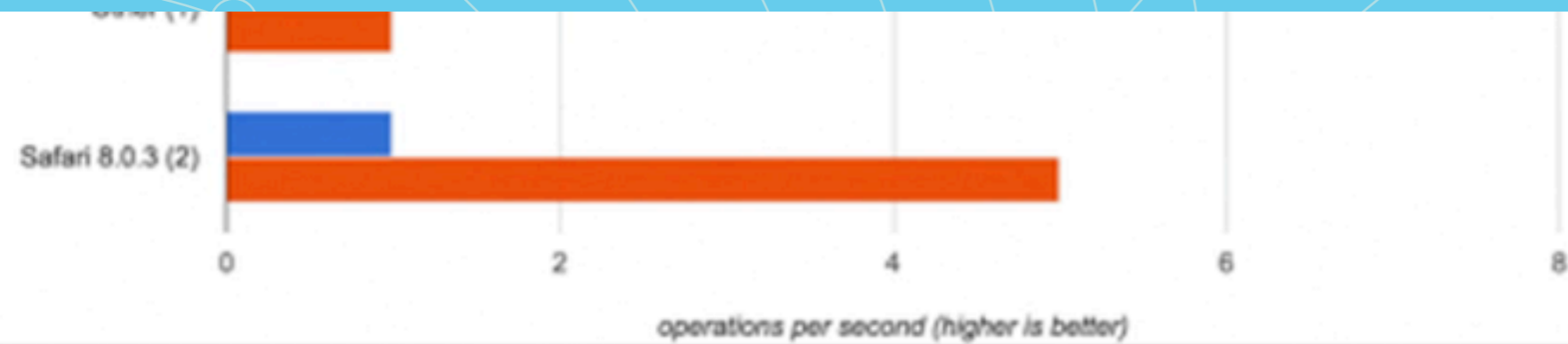
 **Nimesh Gurung** <https://github.com/iam4x/isomorphic-flux-boilerplate> has everything you are looking for, except that it uses webpack instead of browserify

 **iam4x/isomorphic-flux-b...**
github.com
isomorphic-flux-boilerplate...

May 31 · Edited · Like ·  4

 **Shawn Lim** If u are using testing I suggest

    3 



We Compared 13 Top Flux Implementations — You Won't Believe Who Came Out On Top!

We've been using React with and without Flux for a little more than a year at Social Tables. Over this time we've imple...

MEDIUM.COM | BY RICKY VETTER

Like · Comment · Share

Daniel Lo Nigro and 20 others like this.

View 5 more comments



Danial Khosravi I've used a couple of them, and I think Alt is the best choice, specifically if you're making an isomorphic app!

May 31 at 5:31pm · Like



David Krmptic I used Flummox but had some issues (I obviously don't know enough) using it together with React Router... so should I try Alt to see if it's easier to figure out?

June 1 at 12:07am · Like



Daniel Lo Nigro How lightweight is Alt? I was looking at a few Flux implementations but they all felt too heavy so I just ended up using 'vanilla' Flux with Facebook's dispatcher and my own small base store class.

June 1 at 12:25am · Like



Write a comment...



Carrier 9:02 PM

ReactJS

May 31 · Like

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May 31 · Like

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June 1 · Like

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June 1 · Like

Write a comment...

Convince

Unproven

JavaScript

React

Programming Language

- JavaScript
- JSX
- ES6, ES7...
- Flow

A large, bold, black 'JS' logo is centered on a bright yellow rectangular background in the bottom right corner of the slide.

Convince

Unproven

JavaScript

React

Convince

Management

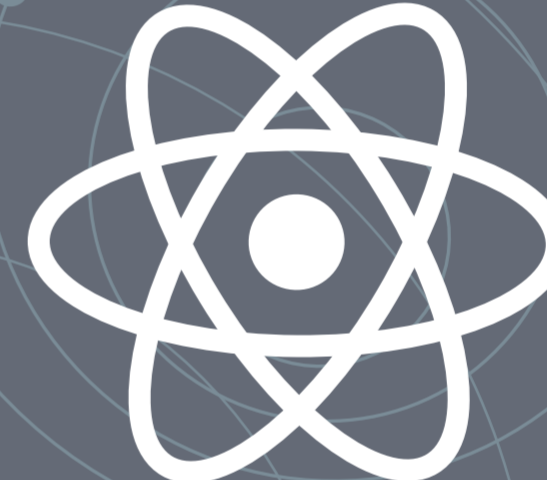
Web Devs

iOS Devs

Conclusion



Thanks!



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