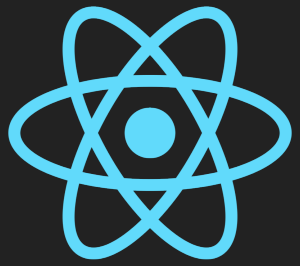


The React Native Experience

#MobileDayUY

Luis Cal

Co-Founder & CTO

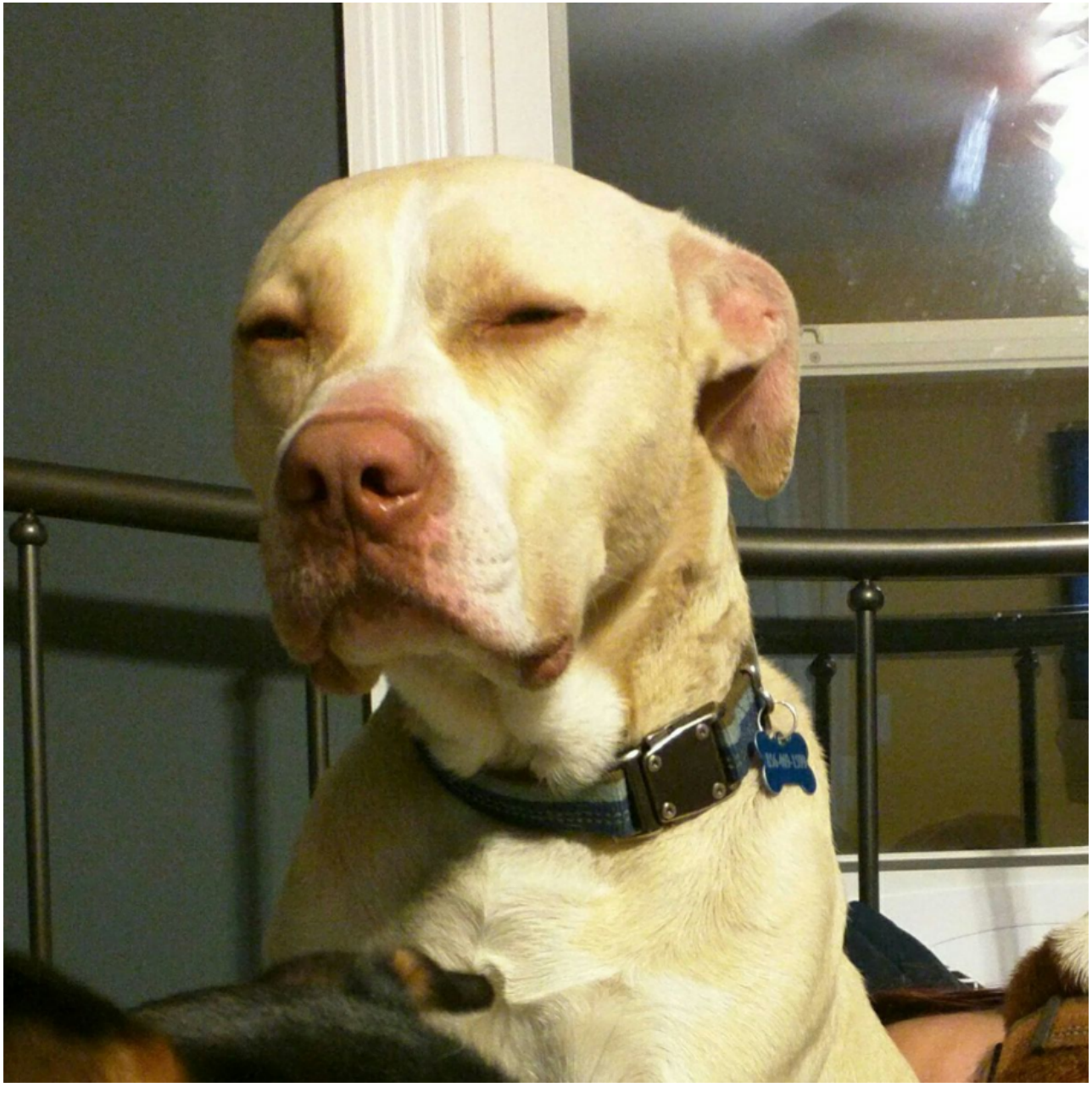
DIXTRA

First.. What is React Native?

React Philosophy

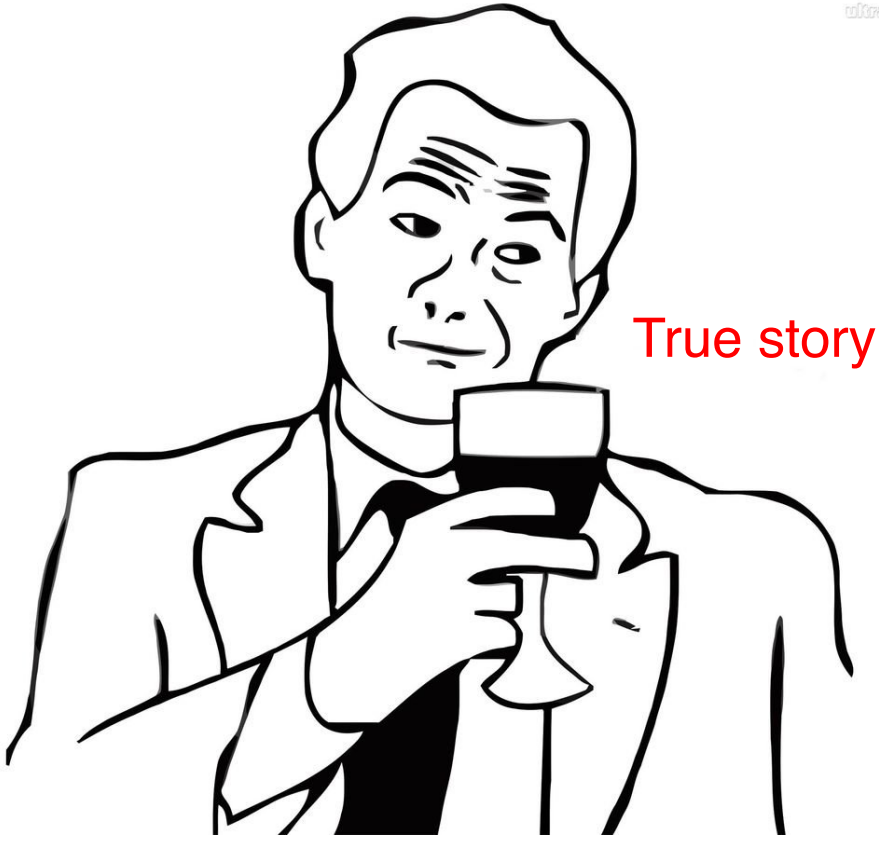
LEARN ONCE, WRITE ANYWHERE

React Native lets you build mobile apps
using only JavaScript



True, but not true

Hybrid vs Native


True story

Getting started

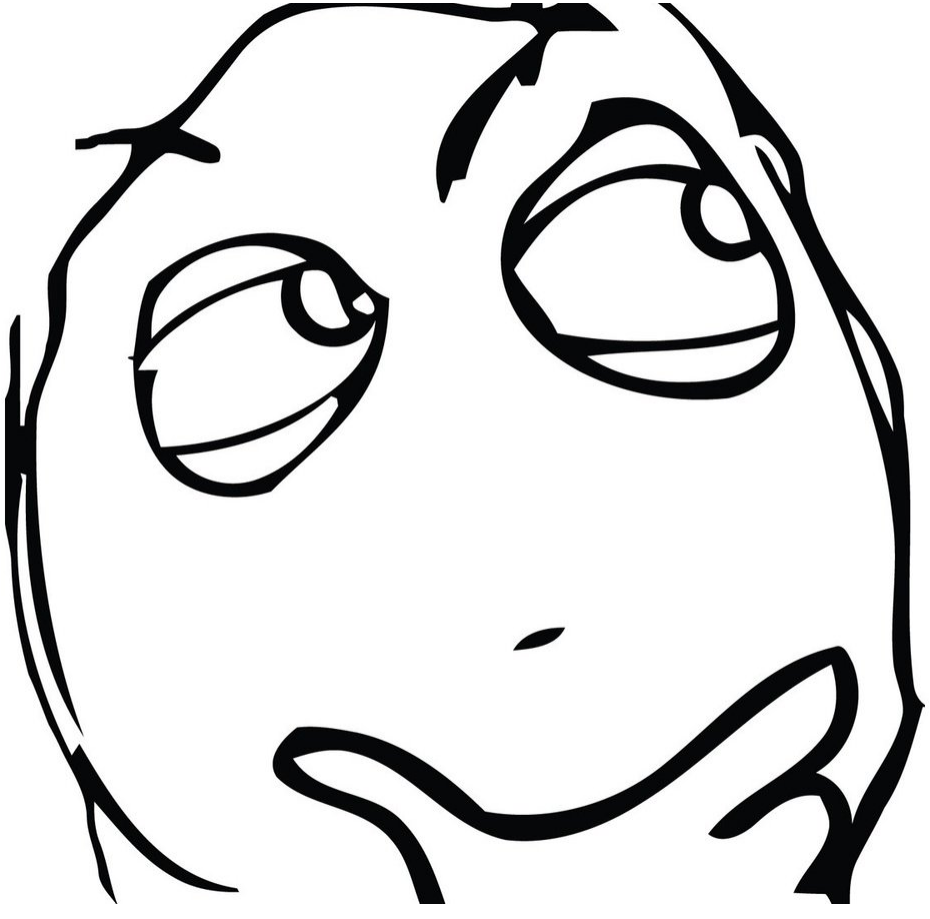
```
react-native init MobileDayUY

cd MobileDayUY

react-native run-ios
```

Live reload & Hot reload

Speed up development time

To upgrade, or not to upgrade

Breaking changes



Distribution & Updates

HOCKEYAPP

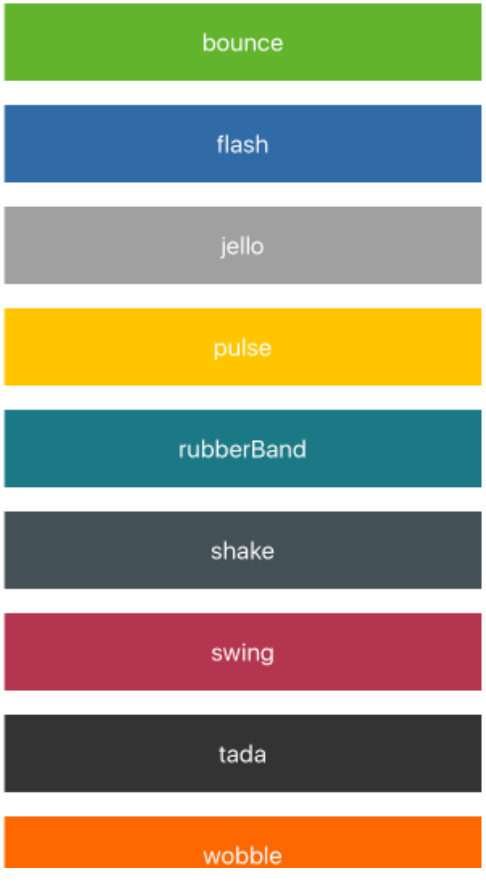
+

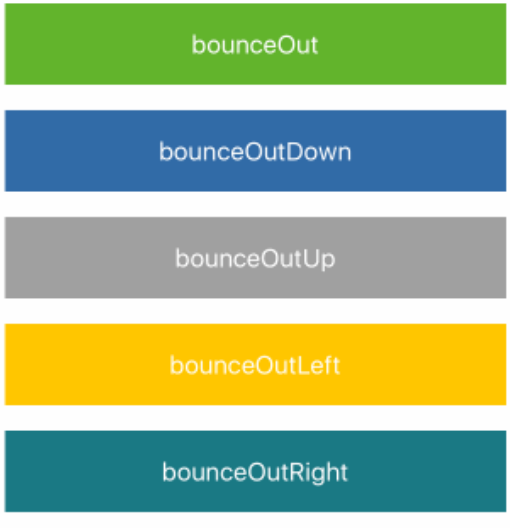
CodePush

Animations

oblador / **react-native-animatable**

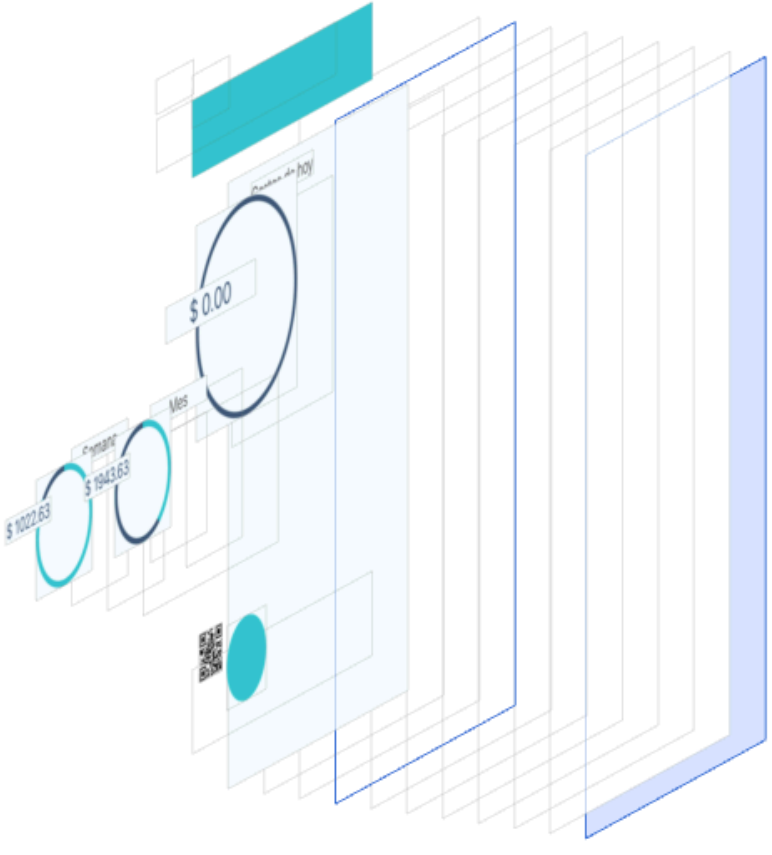
Standard set of easy to use animations and declarative transitions for React Native


bounce
flash
jello
pulse
rubberBand
shake
swing
tada
wobble


bounceOut
bounceOutDown
bounceOutUp
bounceOutLeft
bounceOutRight

Performance

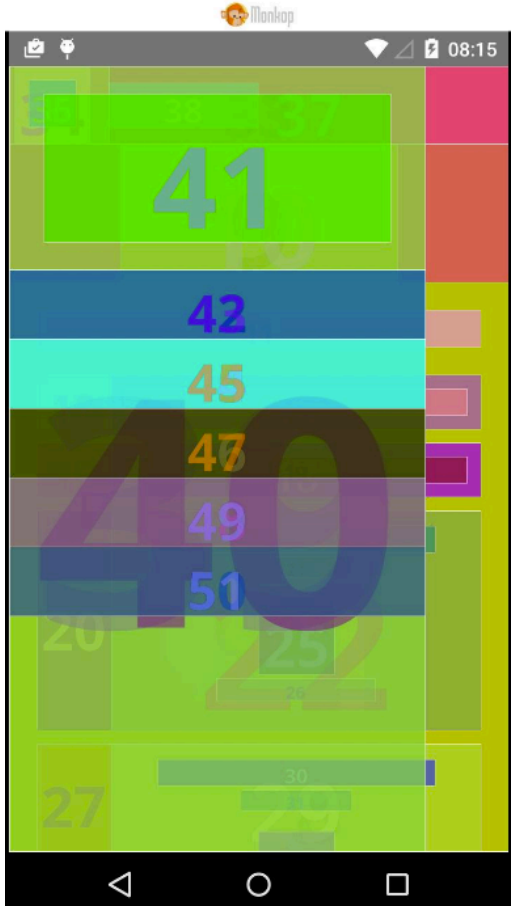
Debug View Hierarchy



Monkop

UI controls

Too many controls on the screen 51 *(Soft Limit: 50 Hard Limit: 100)*



Extending React Native

Native Modules

.h

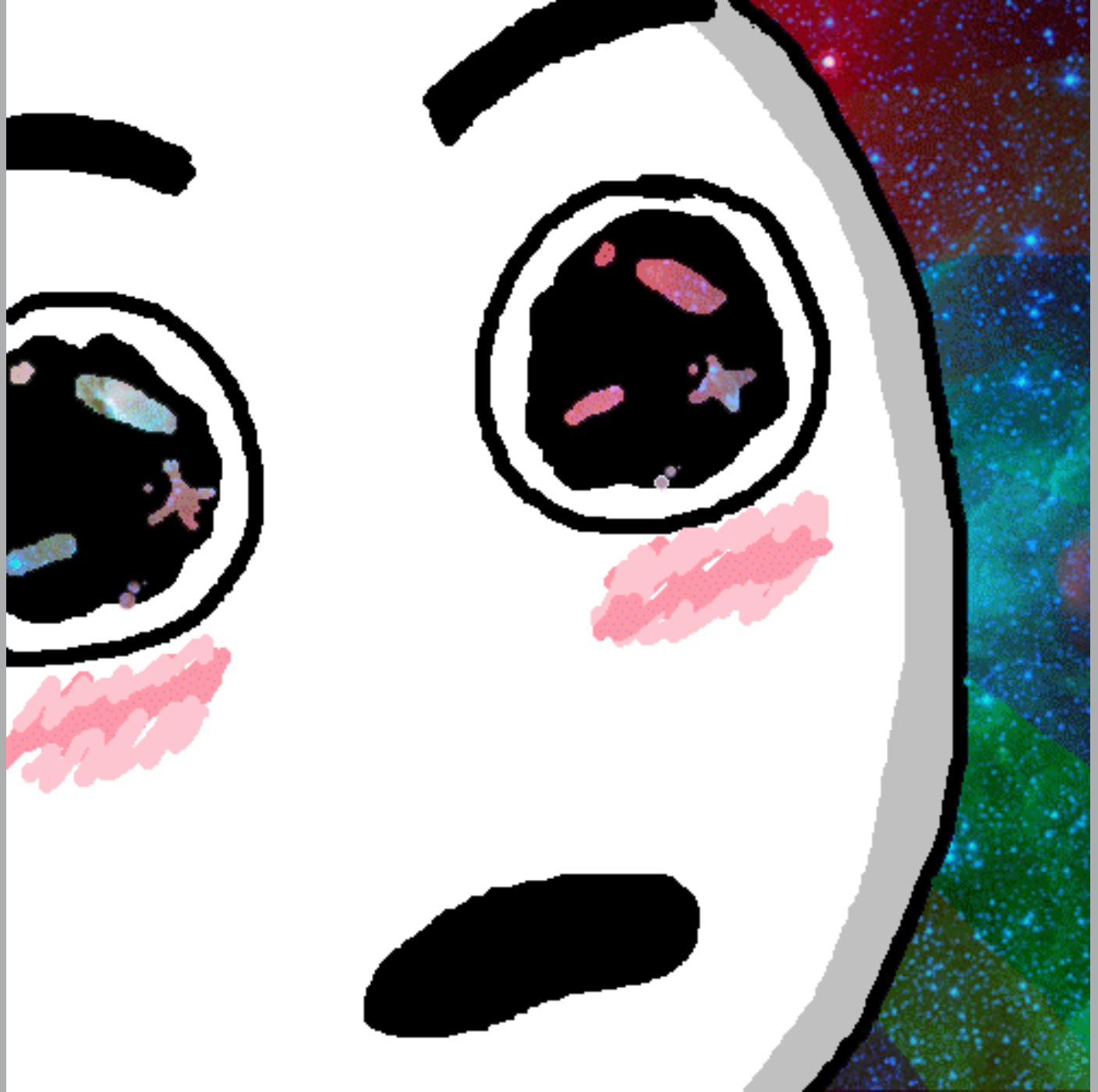
```
// CalendarManager.h
#import "RCTBridgeModule.h"

@interface CalendarManager : NSObject <RCTBridgeModule>
@end
```

.m

```
#import "CalendarManager.h"
#import "RCTLog.h"

@implementation CalendarManager

RCT_EXPORT_MODULE();

RCT_EXPORT_METHOD(addEvent:(NSString *)name location:(NSString *)location)
{
  RCTLogInfo(@"Pretending to create an event %@ at %@", name, location);
}
```

.js

```
import { NativeModules } from 'react-native';
var CalendarManager = NativeModules.CalendarManager;
CalendarManager.addEvent('Birthday Party', '4 Privet Drive, Surrey');
```



Final thoughts

Helpful Links

https://facebook.github.io/react-native/docs/getting-started.html

https://facebook.github.io/react-native/docs/native-modules-ios.html

https://code.facebook.com/posts/895897210527114/dive-into-react-native-performance/

https://www.monkop.com/

https://www.hockeyapp.net/

https://microsoft.github.io/code-push/

Be in touch

@_lucho99

luis.cal@dixtra.co

One last thing...

React Meetup

https://www.meetup.com/es-ES/react-uy/

Thanks!