

# REACT NATIVE

TO THE RESCUE

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@JOSHGRETZ  
GITHUB/JGRETZ

# WHO AM I



Husband

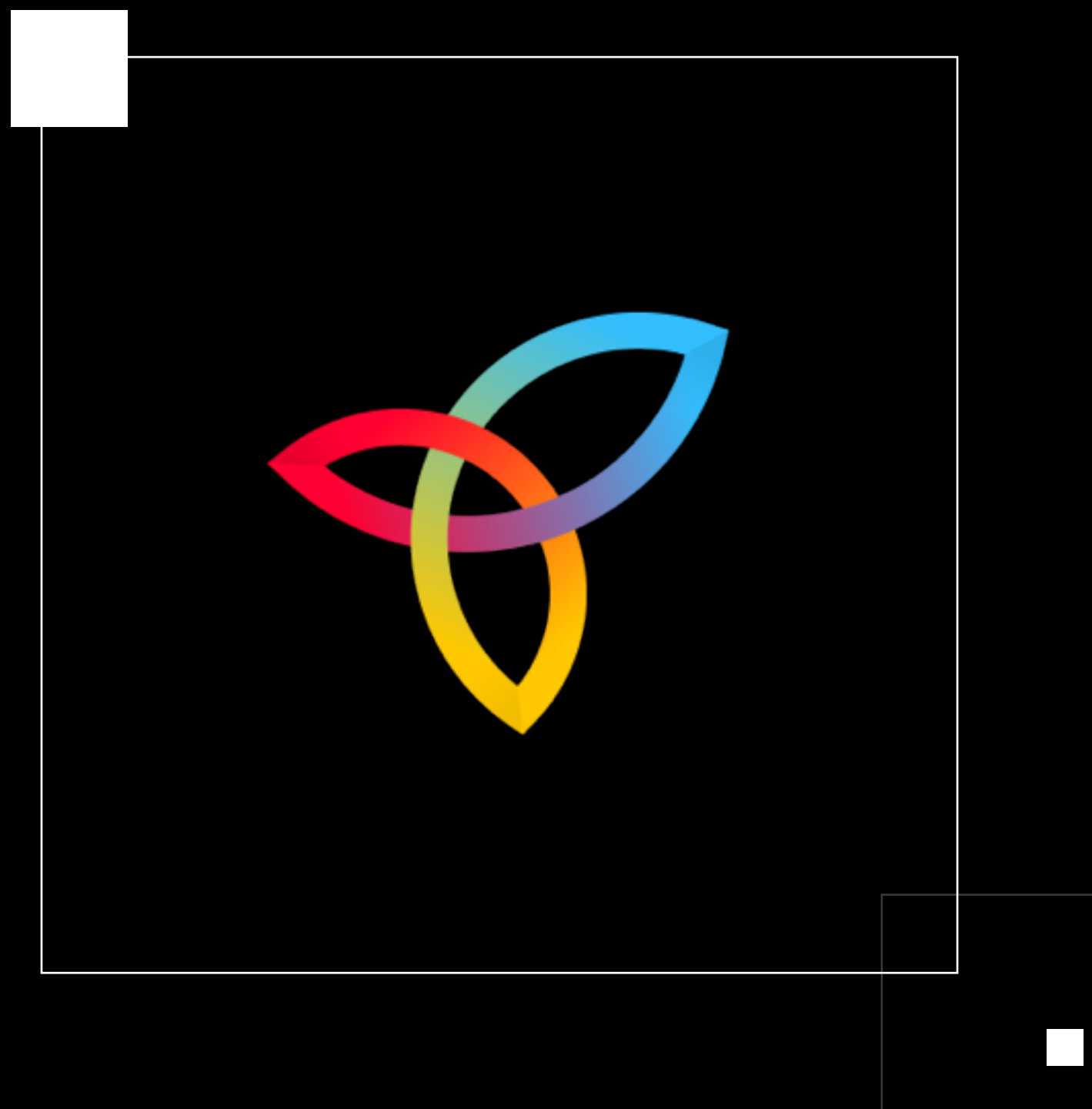
Father

Tinkerer

CTO



@JOSHGRETZ



# TRUEFIT

<Commercial>

We are hiring

</Commercial>

TRUEFIT.IO

# REACTPGH

<Commercial>

June 29

</Commercial>

TRUEFIT.IO

# WHY ARE WE HERE

1 ■ Backstory

2 ■ Development Speed

3 ■ Mental Clarity

4 ■ Cross Platform

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# BACKSTORY

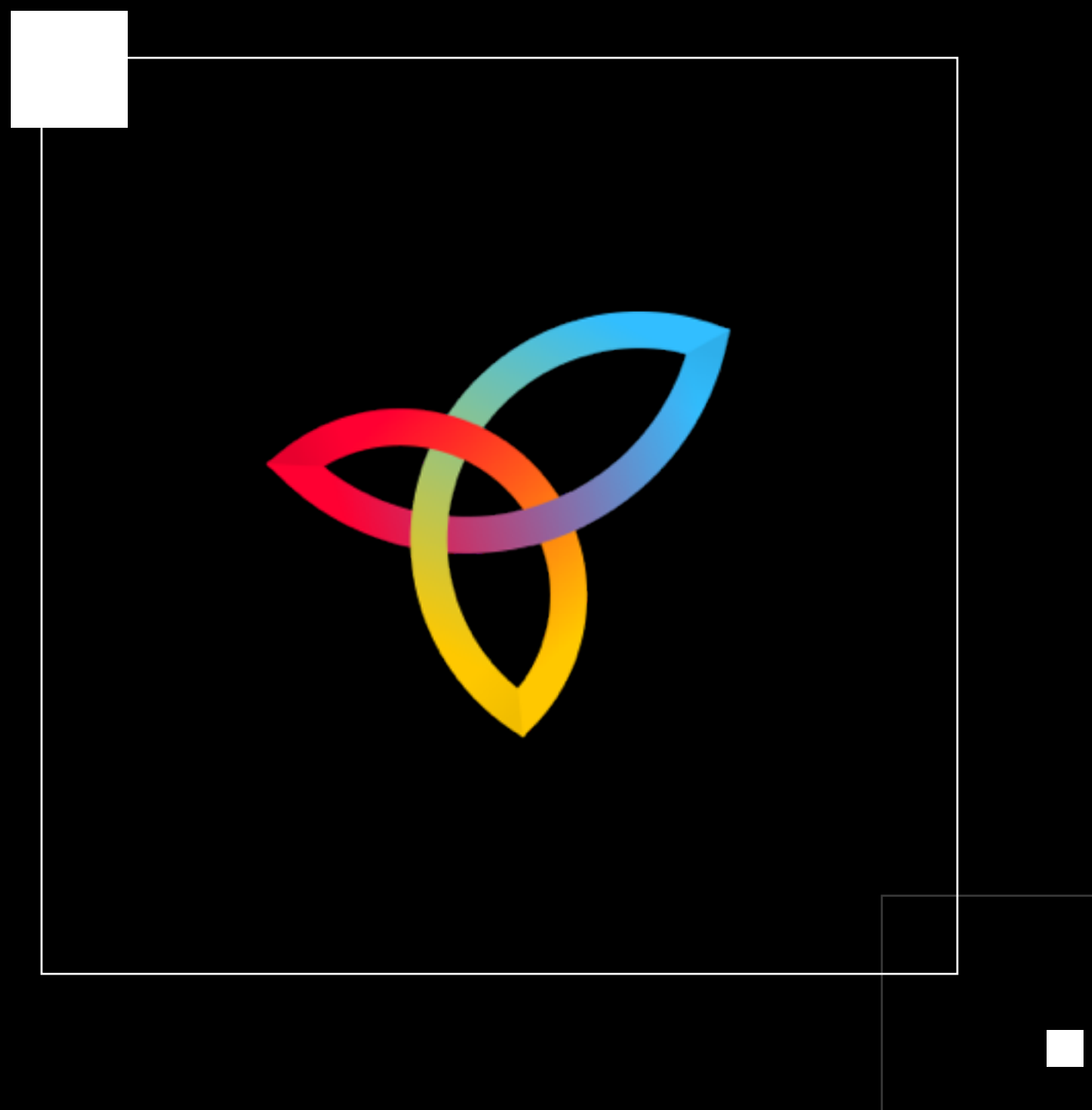
Begin at the beginning and go  
on till you come to the end;  
then stop.

- Mad Hatter -





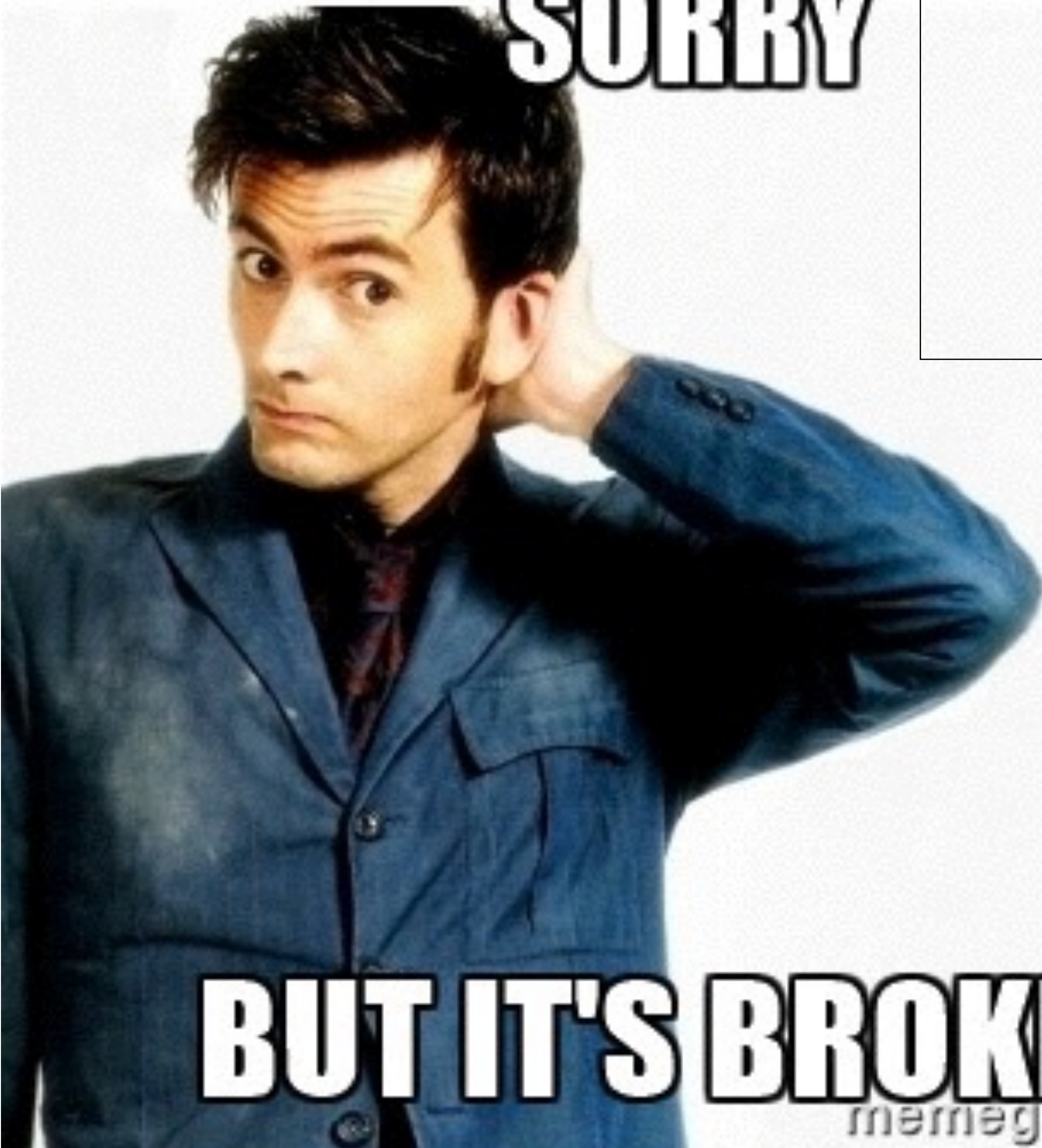
# I LOVE BRIGHT, SHINY THINGS



But Thats Not Always  
Enough



**I'M SORRY. I'M SO  
SORRY**



**BUT IT'S BROKEN**

memegenerator.net

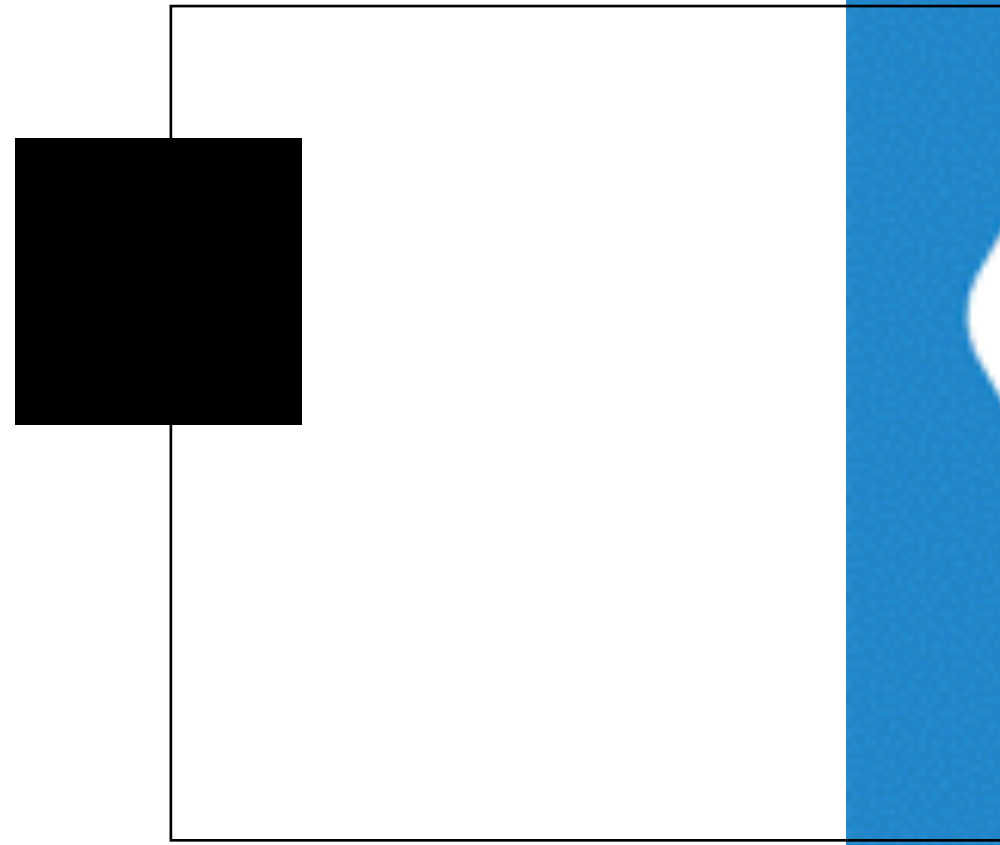
# CROSS PLATFORM

Mobile Development has been broken for a while.

You want to support everyone, but its a nightmare for developers, designers, and business

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Phone**Gap**

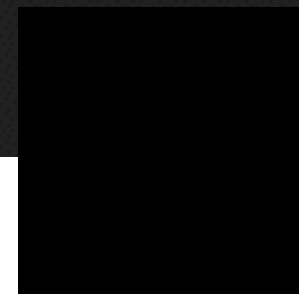
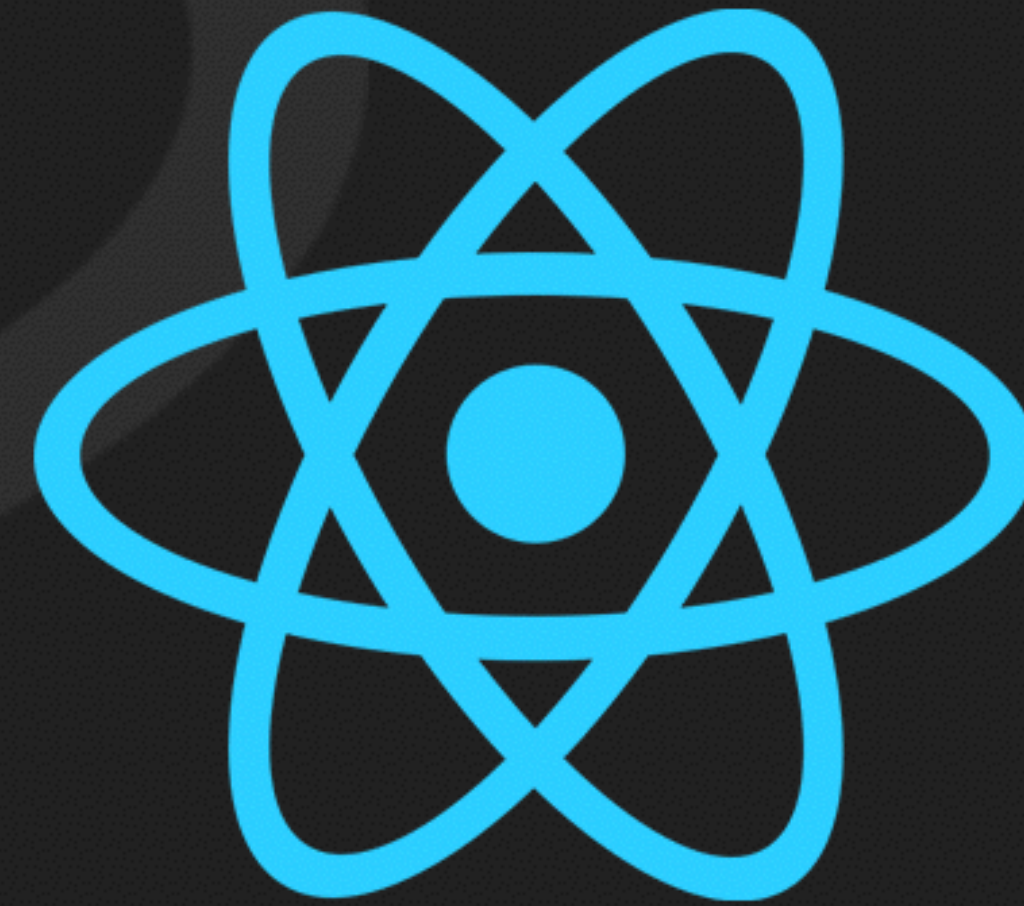


**OTHER**

OPTIONS



# 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. The focus of React Native is on developer efficiency across all the platforms you care about – learn once, write anywhere. Facebook uses React Native in multiple production apps and will continue investing in React Native.



# ITS NOT JUST ME

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MATT ASAY

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React May Have Just Ended The  
Native vs Web Debate



ROBBIE MCCORKELL

---

React Native - The Killer Feature  
That Nobody Talks About



CARY WODEHOUSE

---

7 Reasons Why React Native Is  
The Future Of Hybrid App  
Development



JAMES LONGSTER

---

React Native Is The Right Way To  
Build Apps









# EDITORS



**SUBLIME TEXT**

**GENERAL TEXT EDITOR**  
Sophisticated text editor for  
code, markup and prose.



**ATOM**

**GENERAL TEXT EDITOR**  
A hackable text editor for the  
21st Century





**DECO**

**REACT NATIVE IDE**  
Free, Open Source IDE  
specifically for React Native



**NUCLIDE**

**REACT IDE**  
Unified developer experience for  
web and mobile



PROJECT  
SETUP

LOVE THE CLI



PROJECT  
SETUP



LOVE THE CLI  
BUT ...  
DON'T FORGET  
THE IDE





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## DEVELOPMENT SPEED

Faster, Faster, until the thrill of  
speed overcomes the fear of  
death

- Hunter S. Thompson -



# ES6

## ES6

is a significant update to the language, and the first update to the language since ES5 was standardized in 2009.

Add both useful features and syntactic sugar.

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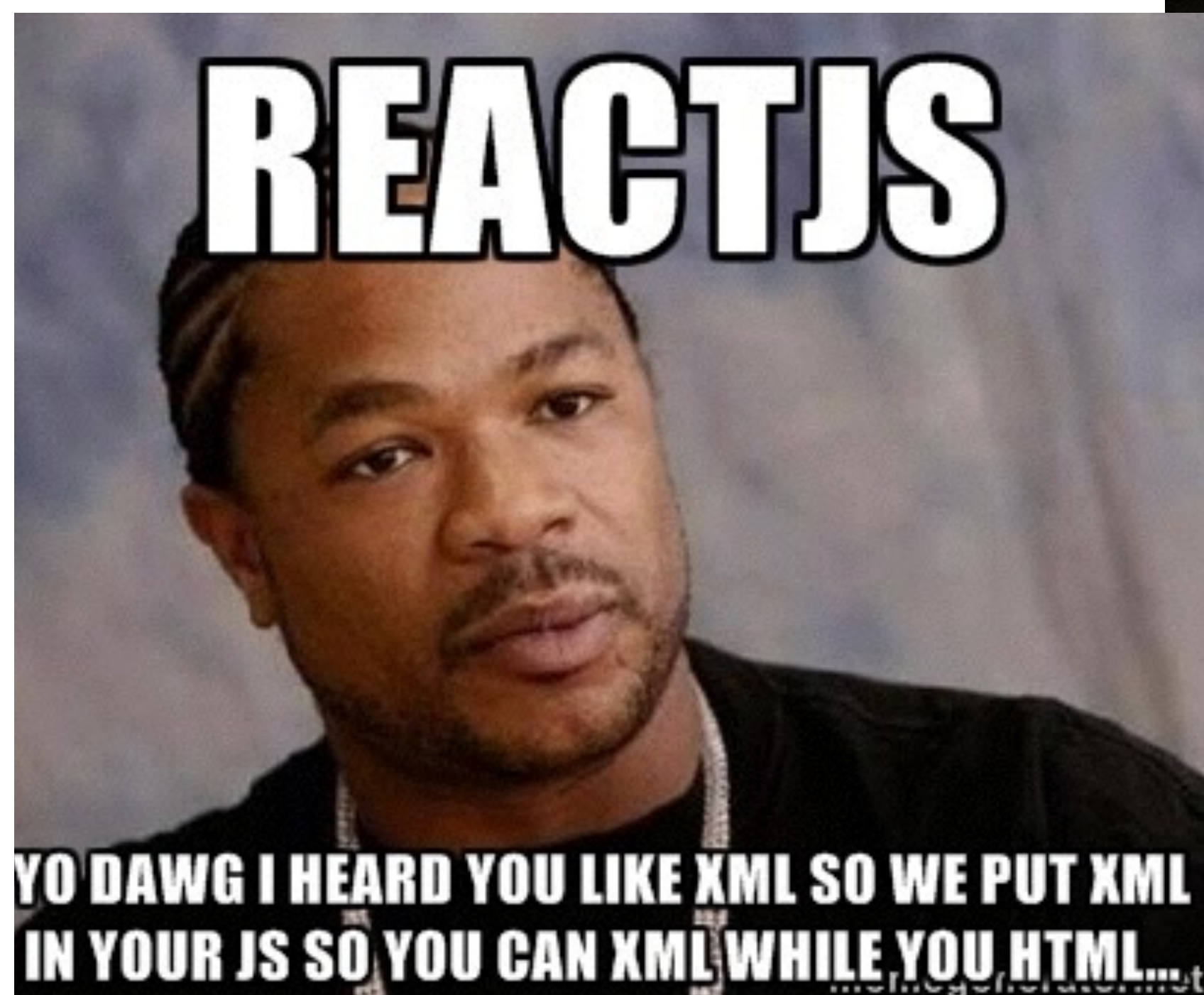




# JSX

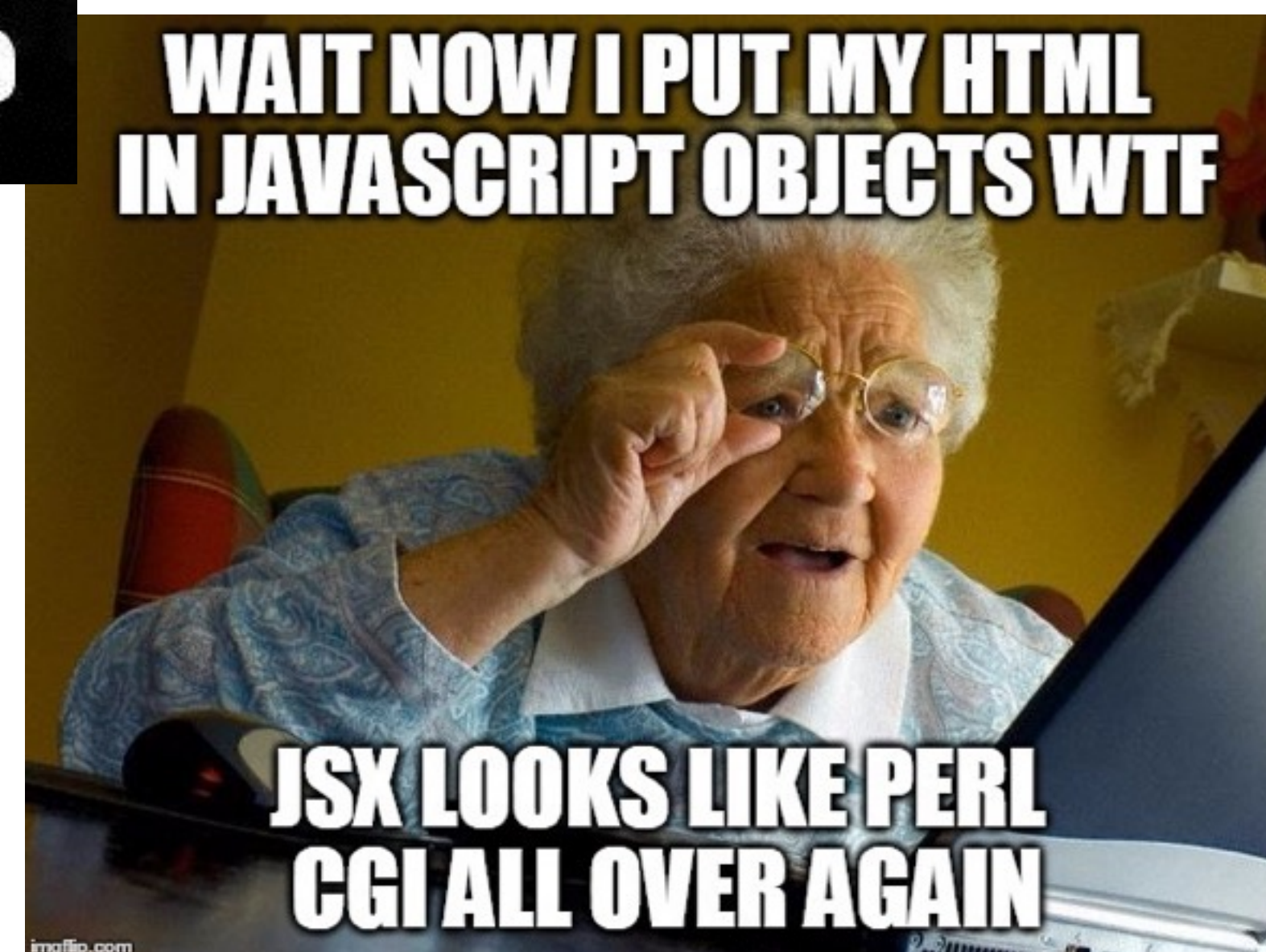
```
<View style={styles.container}>
  <Text style={styles.welcome}>
    Welcome to React Native!
  </Text>
  <Text style={styles.instructions}>
    {this.renderGetStartedText()}
  </Text>
  <Text style={styles.instructions}>
    Press Cmd+R to reload,{'\n'}
    Cmd+D or shake for dev menu
  </Text>
</View>
```



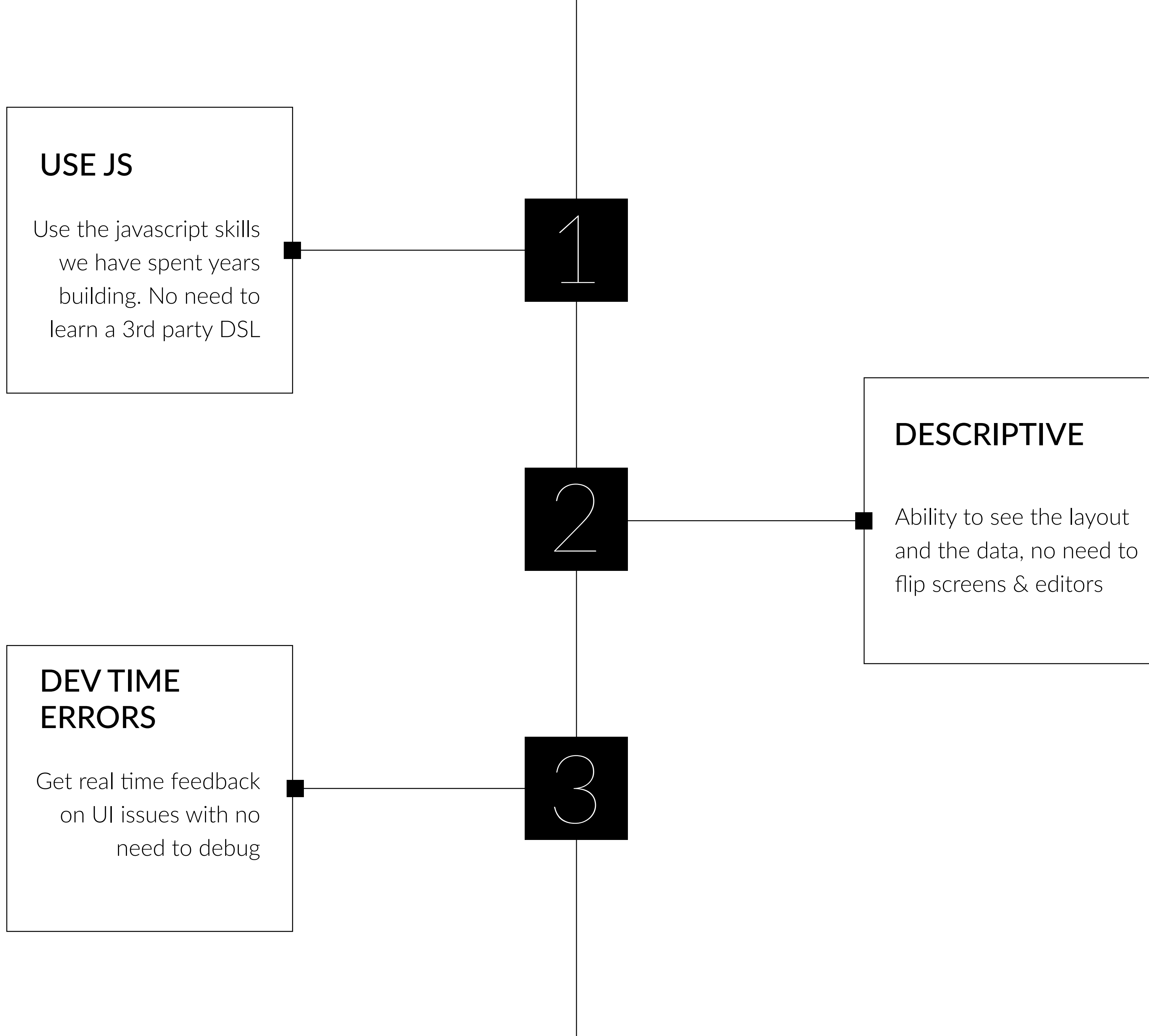


**JSX**

IT'LL BE ALRIGHT









I HAVE AN APPOINTMENT TO SEE A DEMO OF YOUR NEW PRODUCT.



www.dilbert.com scottadams@aol.com

AND THE UNIT WILL BE IN A CASE LIKE THIS, BUT COMPLETELY DIFFERENT, AND IT WILL HAVE SOFTWARE, ONCE WE WRITE IT.



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YOU LET ME TRAVEL FOUR HOURS TO SEE AN EMPTY CASE?



# HOT MODULE ■ REPLACEMENT

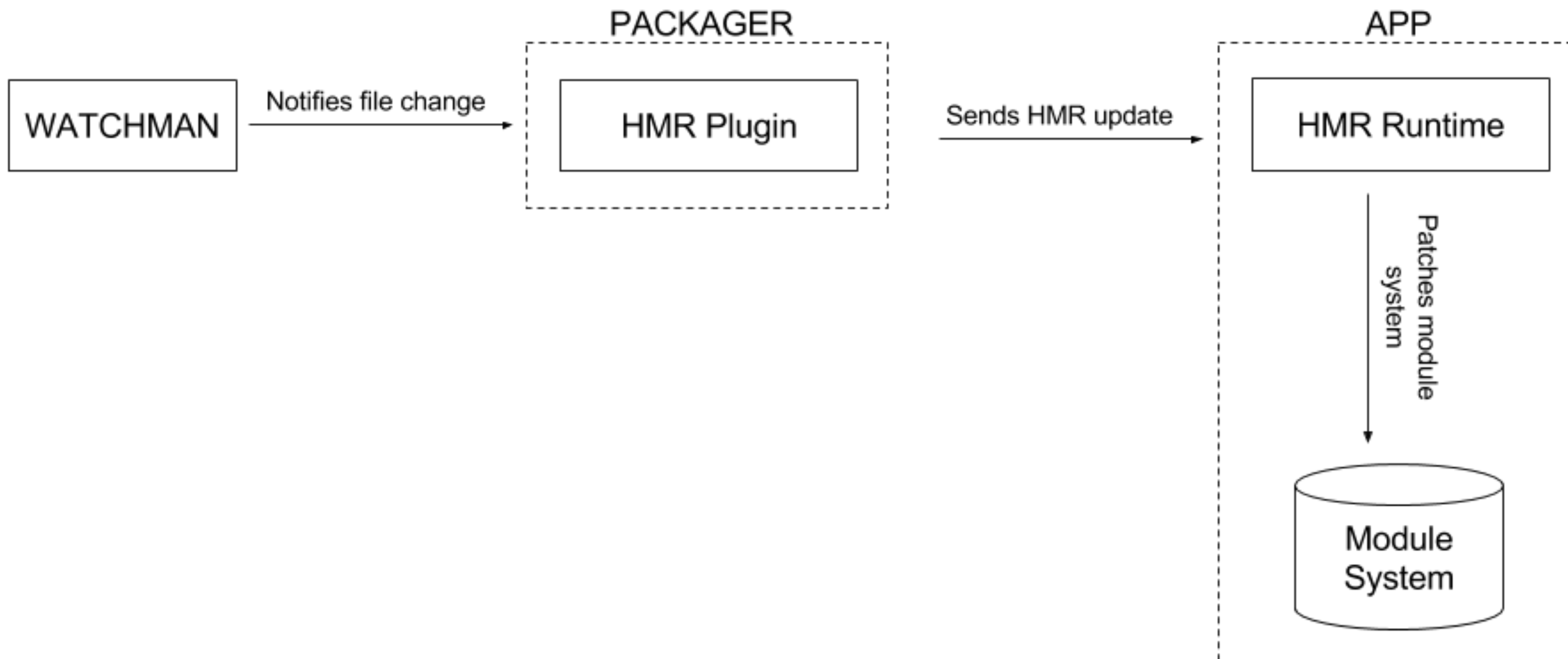
(HMR) is a feature to inject updated modules  
into the active runtime.

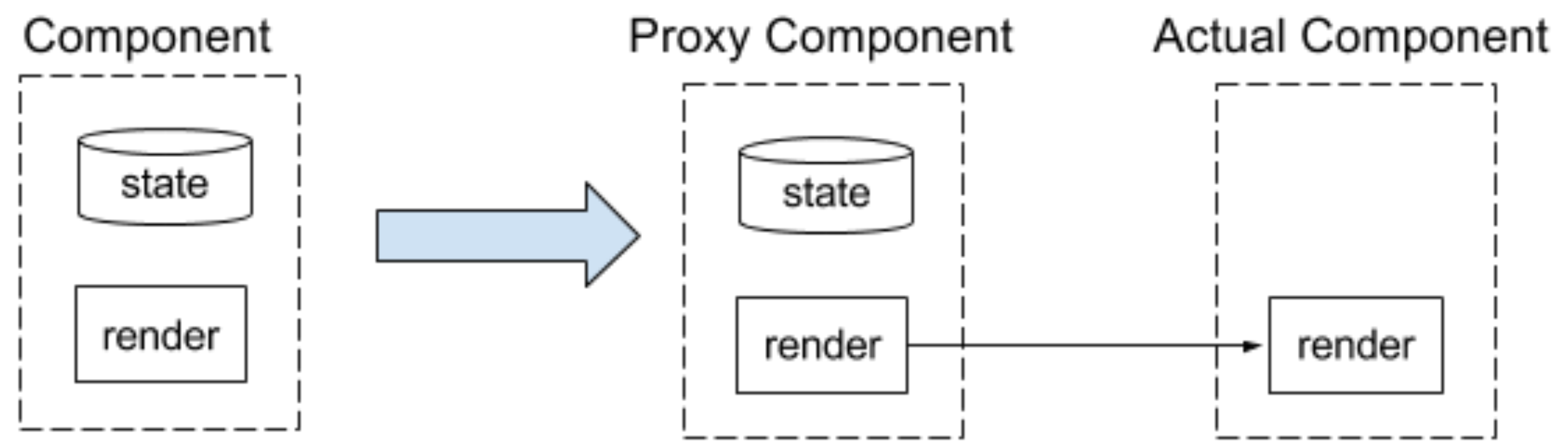
IT'S LIKE LIVERELOAD FOR EVERY MODULE.



HMR &  
HAPPINESS







**DEMO GODS**



**PLEASE LET THIS DEMO  
WORK**

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3

## MENTAL CLARITY

For me the greatest beauty  
always lies in the greatest  
clarity

- Gotthold Lessing -



```
candidateNum=4
if candidateNum == "4":
    handleCandidate4()
    return true
else:
    handleCandidate3()
    return true
```

## WRITE CLEAR CODE, NOT CLEVER CODE

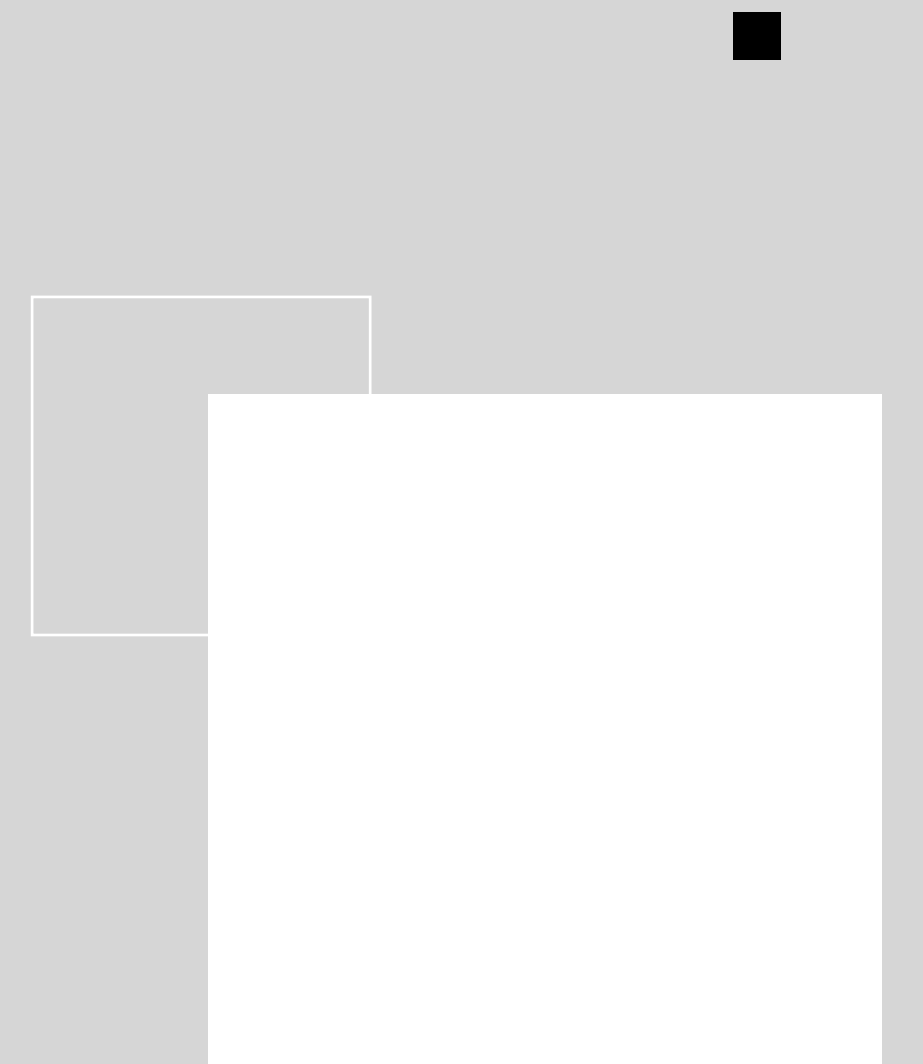
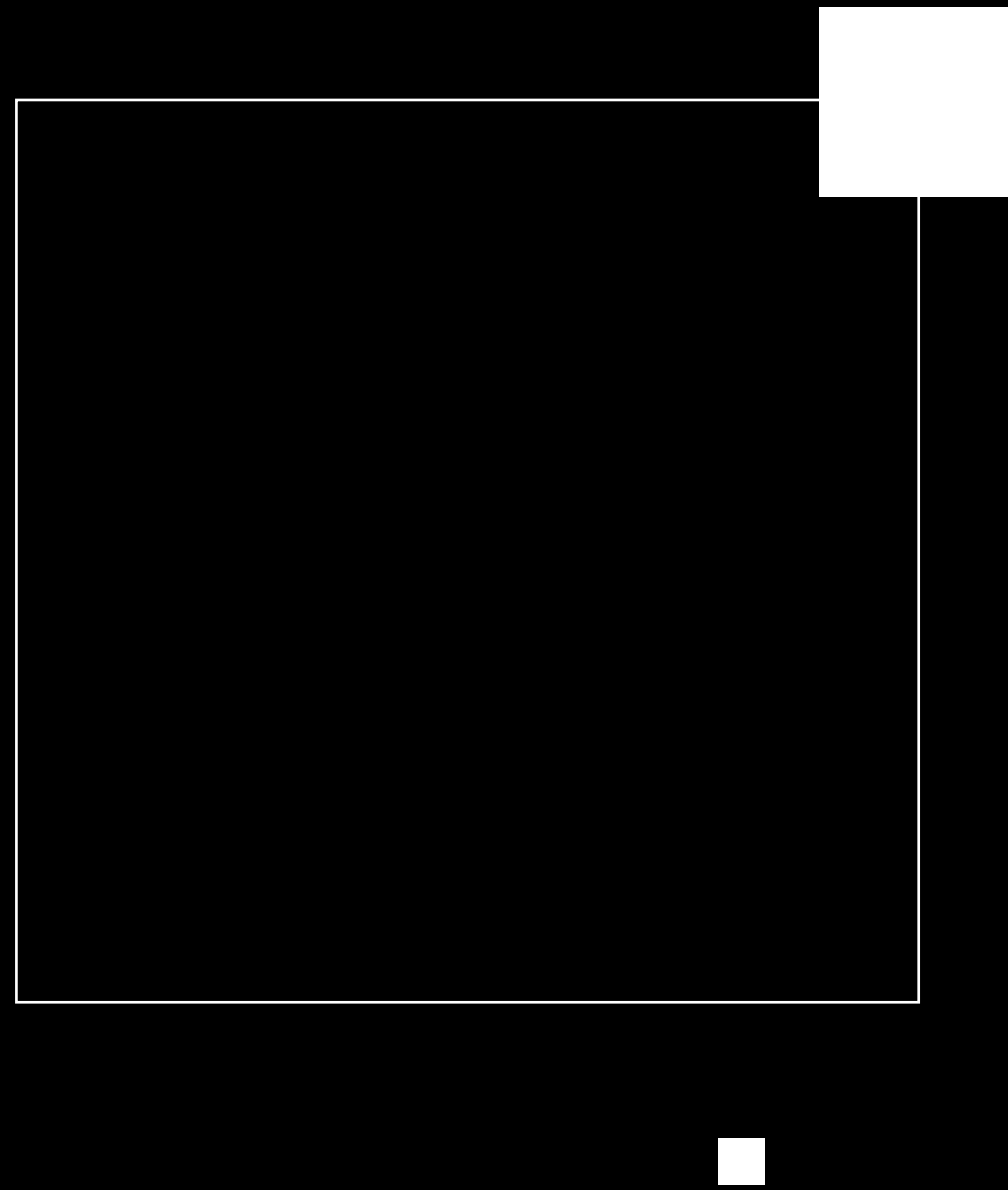
Always code as if the guy who  
ends up maintaining your code  
will be a violent psychopath  
who knows where you live

- Martin Golding -



# START SIMPLE & ADD COMPLEXITY AS NEEDED

- Start with pure, stateless functions
- Start with small components and combine
- Unidirectional Data Flow



**COMPOSE**



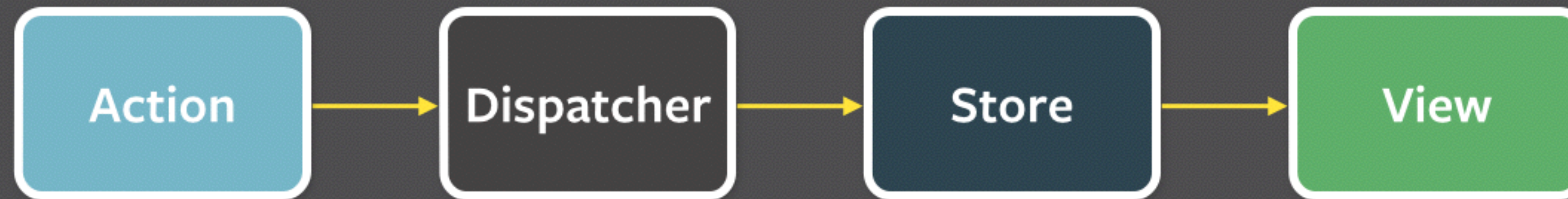
**ALL THE THINGS!**

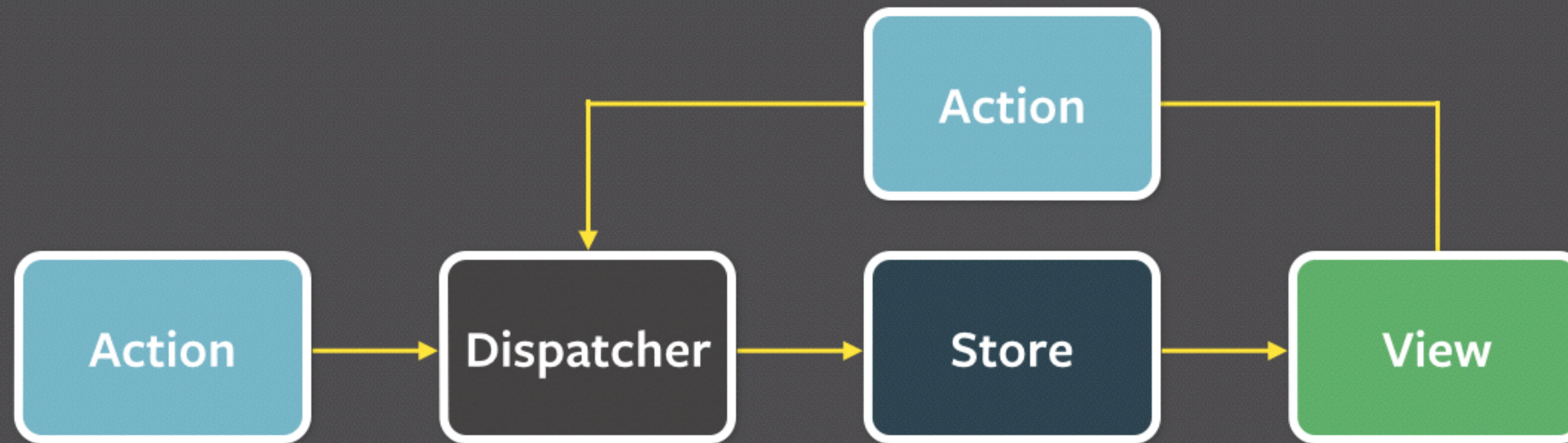
# UNIDIRECTIONAL DATA FLOW



This means that all data in an application follows the same lifecycle pattern, making the logic of your app more predictable and easier to understand. It also encourages data normalization, so that you don't end up with multiple, independent copies of the same data that are unaware of one another.









**DEMO TIME**

**LET'S HOPE THE DEMO-GODS ARE  
SMILING!**

memegenerator.net

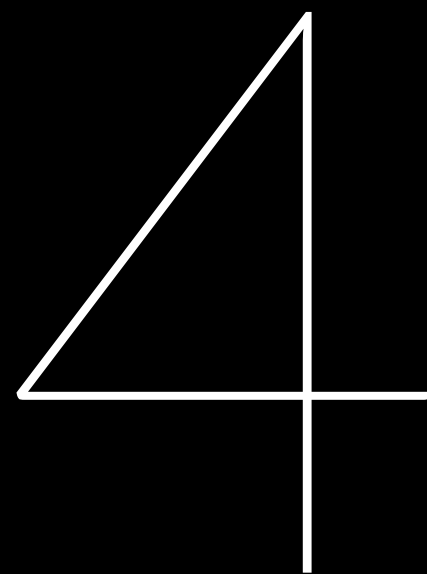


# Redux

# RF







## CROSS PLATFORM

Our goal is not to build a platform; it's to be cross all of them.

- Mark Zuckerberg -





# CROSS PLATFORM

## WITH REACT NATIVE - YOU CAN

- Share UI and Code
- Splinter out React Native Code As Needed
- Go To Swift, Obj-C, Java as well (Native Modules)

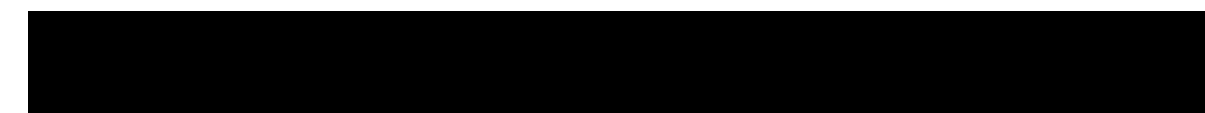


One more thing ...

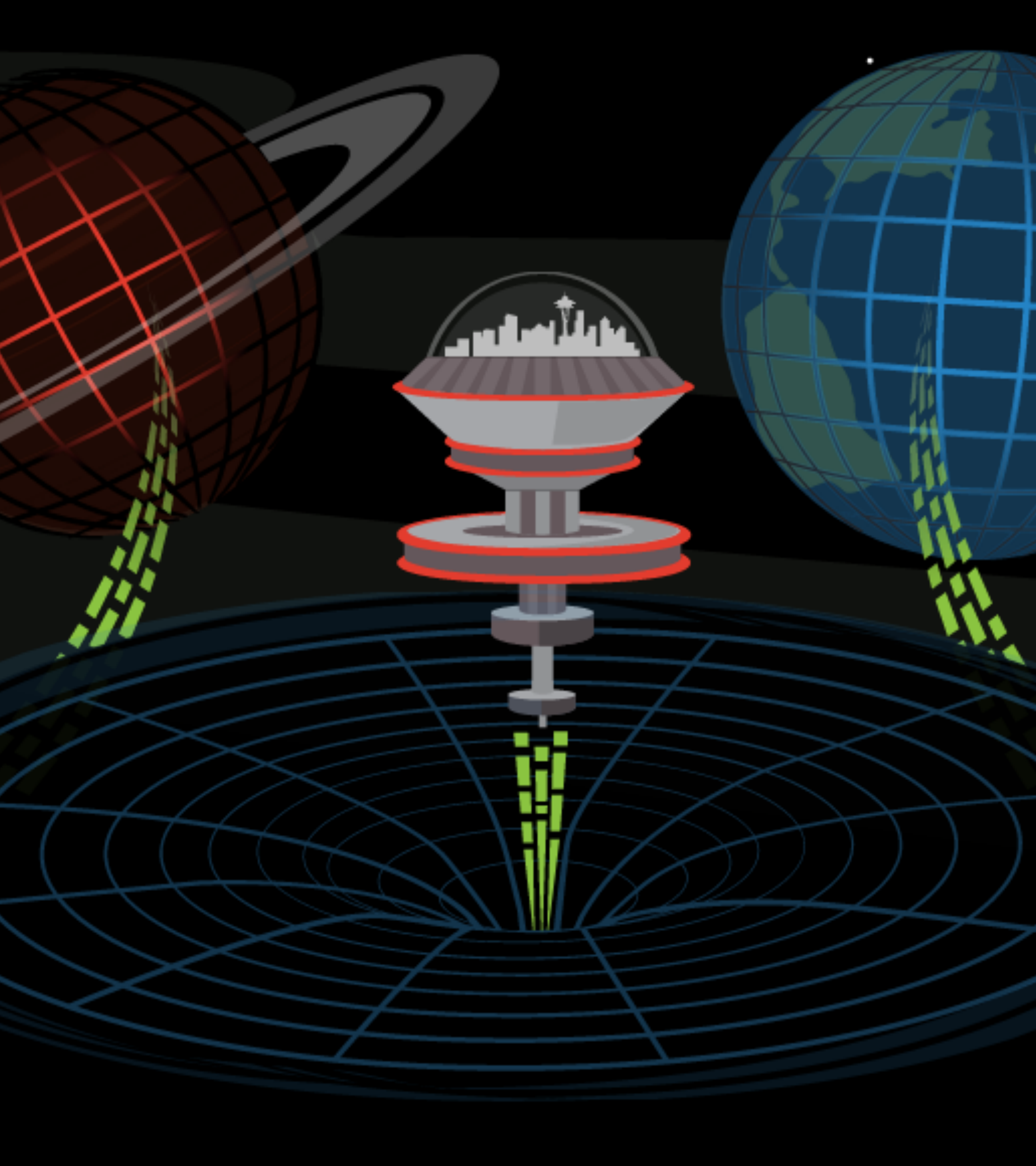


# BUDDYBUILD

Build, deploy and gather feedback for your iOS and Android apps in one seamless, iterative system.







# CODEPUSH

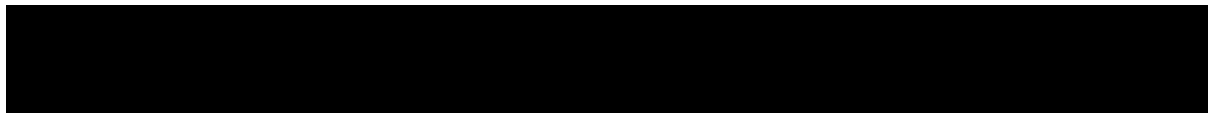
CodePush is a cloud service that enables React Native developers to deploy mobile app updates directly to their users' devices. It works by acting as a central repository that developers can publish certain updates to (e.g. JS, HTML, CSS and image changes), and that apps can query for updates from (using our provided client SDKs).



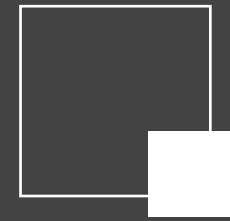


# PEPPERONI

Pepperoni is a blueprint for building cross-platform mobile experiences rapidly with ready-to-use integrated building blocks for common mobile app features.







# THANK YOU

ANY QUESTIONS?

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