



React Native in the Wild

CodeStock 2017

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Father of 3 boys



Maker of Stuff



React Fan Boy





I KNOW
IM AWESOME
BUT PLEASE
NO FLASH
PHOTOGRAPHY

Caveat:

We are going to cover a LOT of
libraries,
tricks and techniques.

These slides are available (also in
PDF) at:

[https://github.com/jgretz/
reactnativeinthewild](https://github.com/jgretz/reactnativeinthewild)

I'm assuming:

- You have some exposure to React
- You have seen ES6
- You have used NPM
- You have dabbled in some type of mobile development





WHAT WE ARE GOING TO COVER

- Why
- Redux and Friends
- User Interaction
- Yarn
- Offline Mode
- Testing



the

WHY

THE PARADOX OF CHOICE



Autonomy and Freedom of choice are critical to our well being, and choice is critical to freedom and autonomy. Nonetheless, though modern *[developers]* have more choice than any group of people ever has before, and thus, presumably, more freedom and autonomy, we don't seem to be benefiting from it psychologically.



»

How far does the rabbit hole go ?

YARN

It's Time to Tame NPM



Yarn

Yarn is a fast, reliable,
and secure dependency
management tool ...

It replaces the npm cli on
your machine





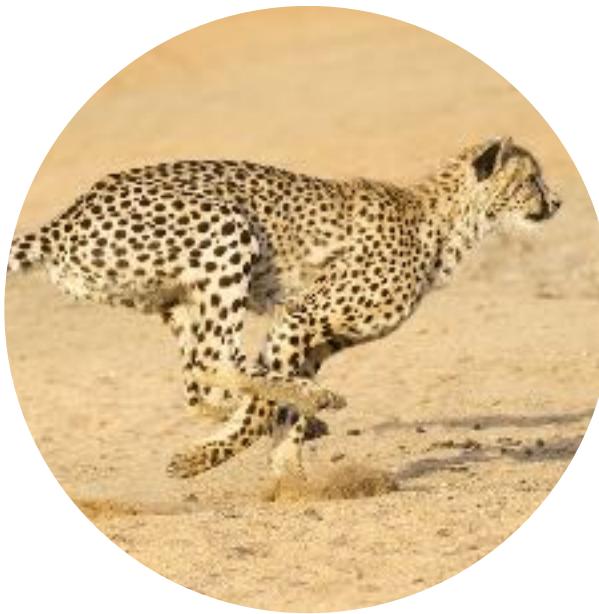
Why Use Yarn?



Install Reliability



yarn.lock ~= npm shrinkwrap



Speed



Parallel Installation
&
Caching



Friendly



Clean UI
Useful Additions

REDUX AND FRIENDS

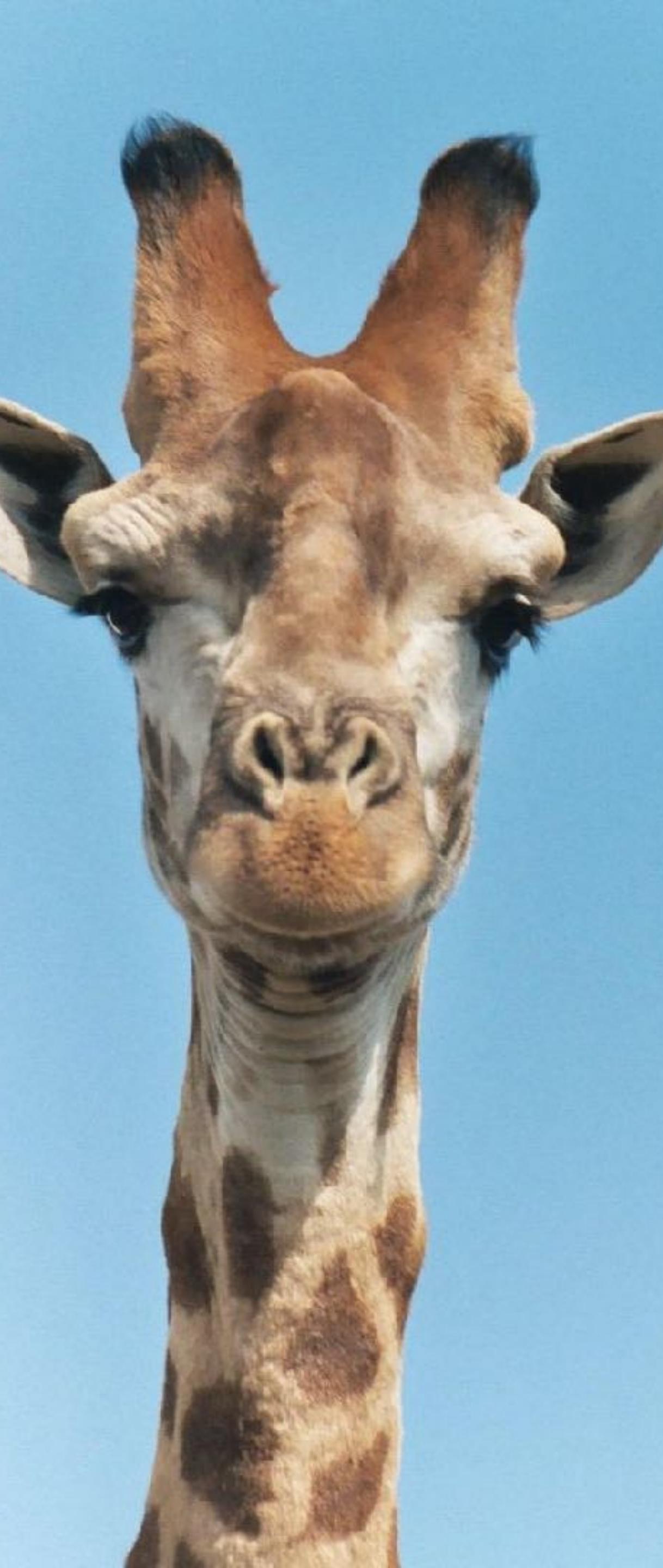
Work with your data
and keep yourself sane



Redux

Redux allows you to
create a predictable state
container





Redux

- All state lives in Redux
- Made up of Actions and Reducers
- React-Redux connects to React
- Redux exposes middleware hooks

»» Redux Middleware



Redux Thunk

Allows you to return functions
from action creators to delay
the creation of the action

Redux Promise Middleware

Allows you to return a promise
that eventually resolved to an
action from an action creator

Redux Dev Tools

Plugin to Chrome to
allow a live view into the
redux container





IMMUTABLE

Simplifies creating and manipulating read-only, persistent data store

The last thing you wanted any programmer to do is mess with internal state ...

- Alan Kay (creator of Smalltalk)





Reselect

A simple “getter” library designed to abstract the slicing of data from the redux store

Axios

a npm package that provides a simple wrapper around javascript's fetch





DEMO
TIME

I'm weird, but I like it:

- Feature > Type > File
- File Generators



Стул-Лавчени
коопеначефле



DEMO
TIME

OFFLINE MODE

React to the
Real World



NetInfo

NetInfo is a react library
that provides callbacks
when network state
changes



Redux Persist

Persists and hydrates the redux store





AsyncStorage

simple, unencrypted, asynchronous,
persistent, key-value storage



Realm

Open Source, crazy fast local object oriented database

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USER INTERACTION

Delight Your Users





React Navigation

Learn Once,
Navigate Anywhere

Lists

Everyone's first concern

ReactNative can display
large sets of data quickly
and smoothly



Redux Form

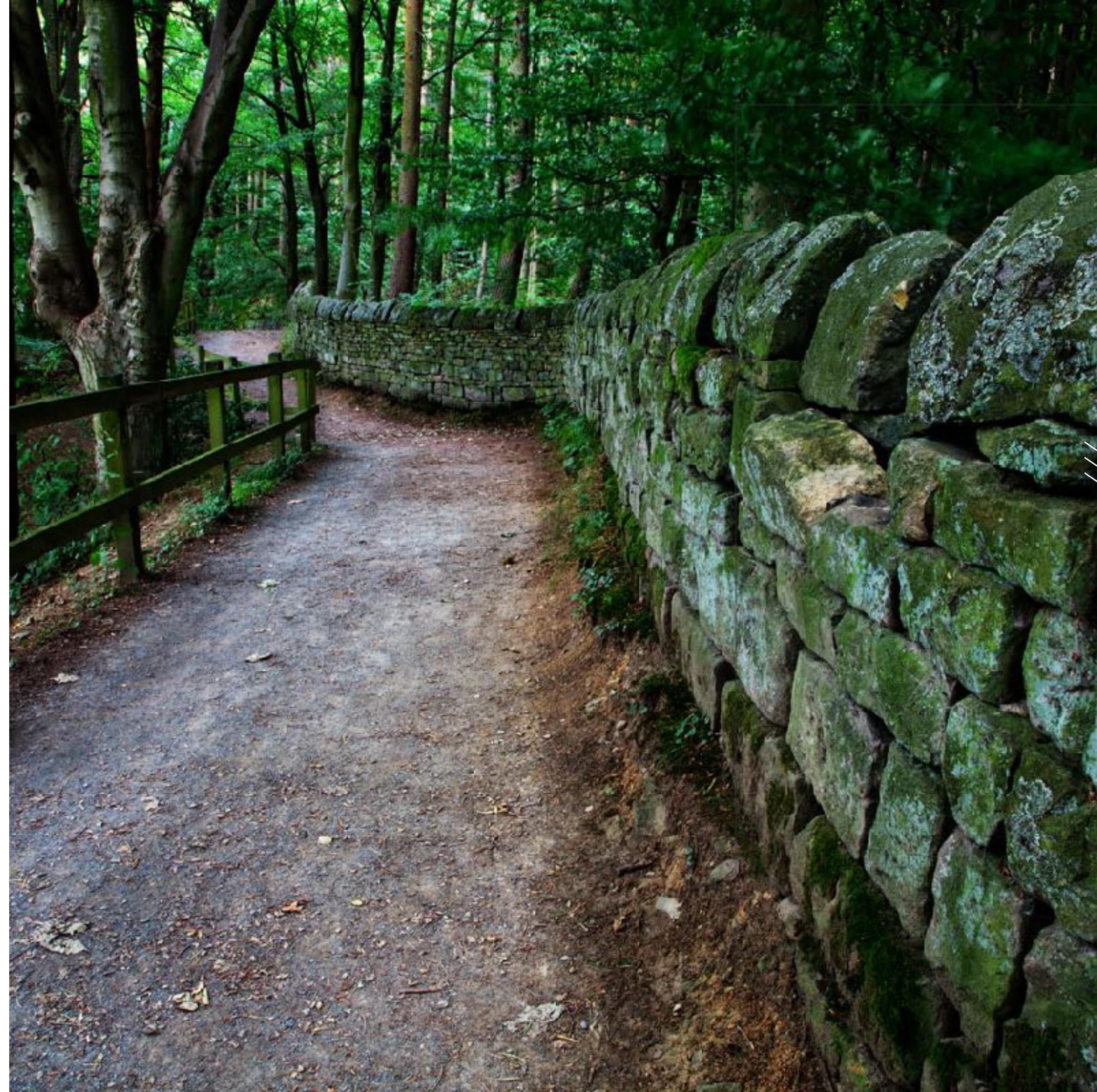
Painless management of
the form state





Styling

Make your app useful, usable, and compelling



Class Autobind

Remind your class what 'this' means



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TESTING

Make sure it's right
every time





Jest

“Painless” javascript
testing with “zero”
configuration

Mockaroo

Quickly generate large amounts of mock data to test your app



buddybuild

A straight forward CI and mobile deployment tool enabling you to get your app in your testers / users hands quickly





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Thank You!

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reactnativeinthewild](https://github.com/jgretz/reactnativeinthewild)

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