



@tejaskumar_

Tejas

Like *“contagious”*

@tejaskumar_



@tejaskumar_



@tejaskumar_



NATIVE / PWA

@tejaskumar_

We make apps to solve problems



Hemophilia

We bleed *all the time*

> €10,000 per week

No "fuel" after x hours = death



@tejaskumar_

Let's build an app!

useDemo () ;





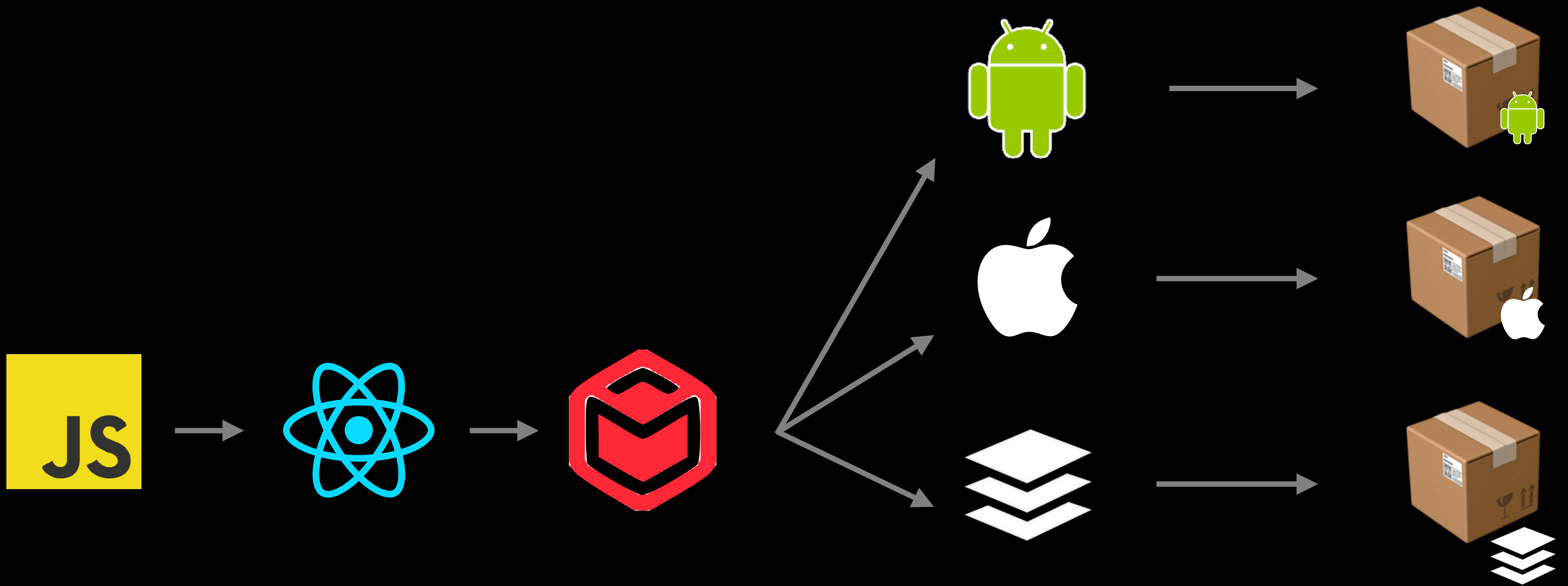


Native or Progressive?



NATIVE

@tejaskumar_





react-native-web
@necolas

Replaces React Native visual components with web "polyfills". Write React Native and use Identically named components on the web.

react-native-dom
@VincentRiemer

Uses actual React Native components, rendered in a separate thread and React Native's layout engine (Yoga) compiled to WASM for layout.



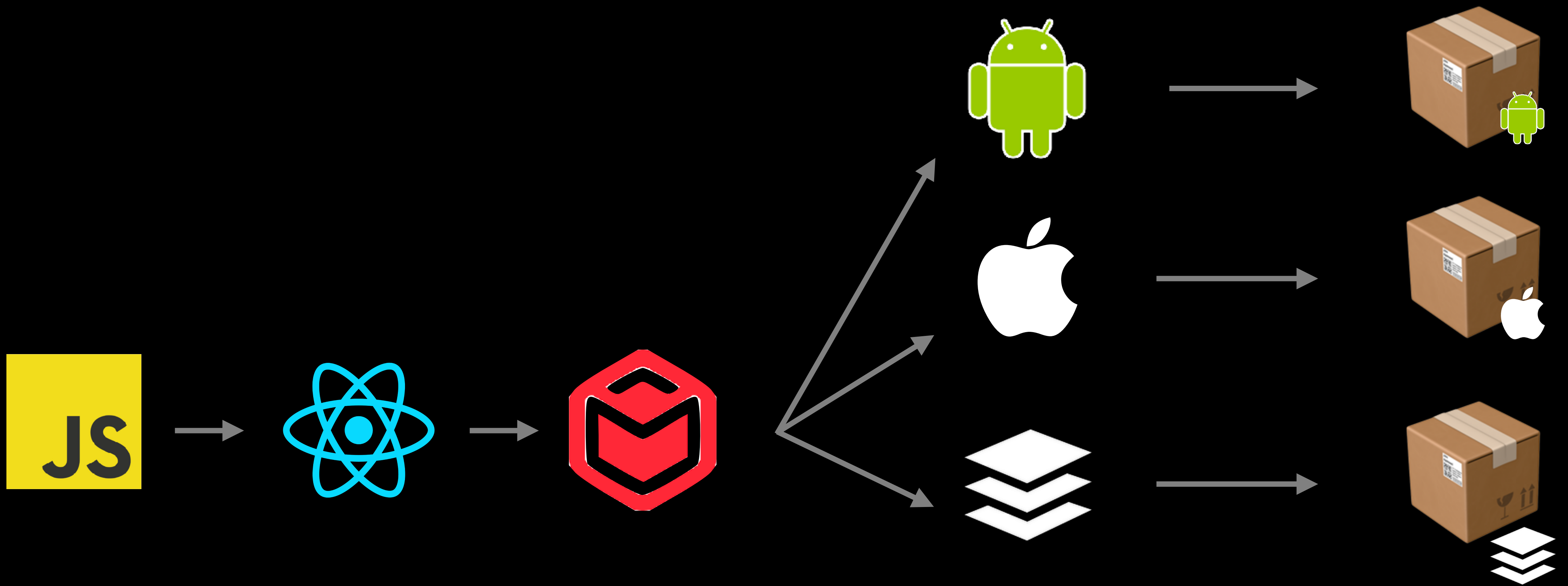
react-native-web
@necolas

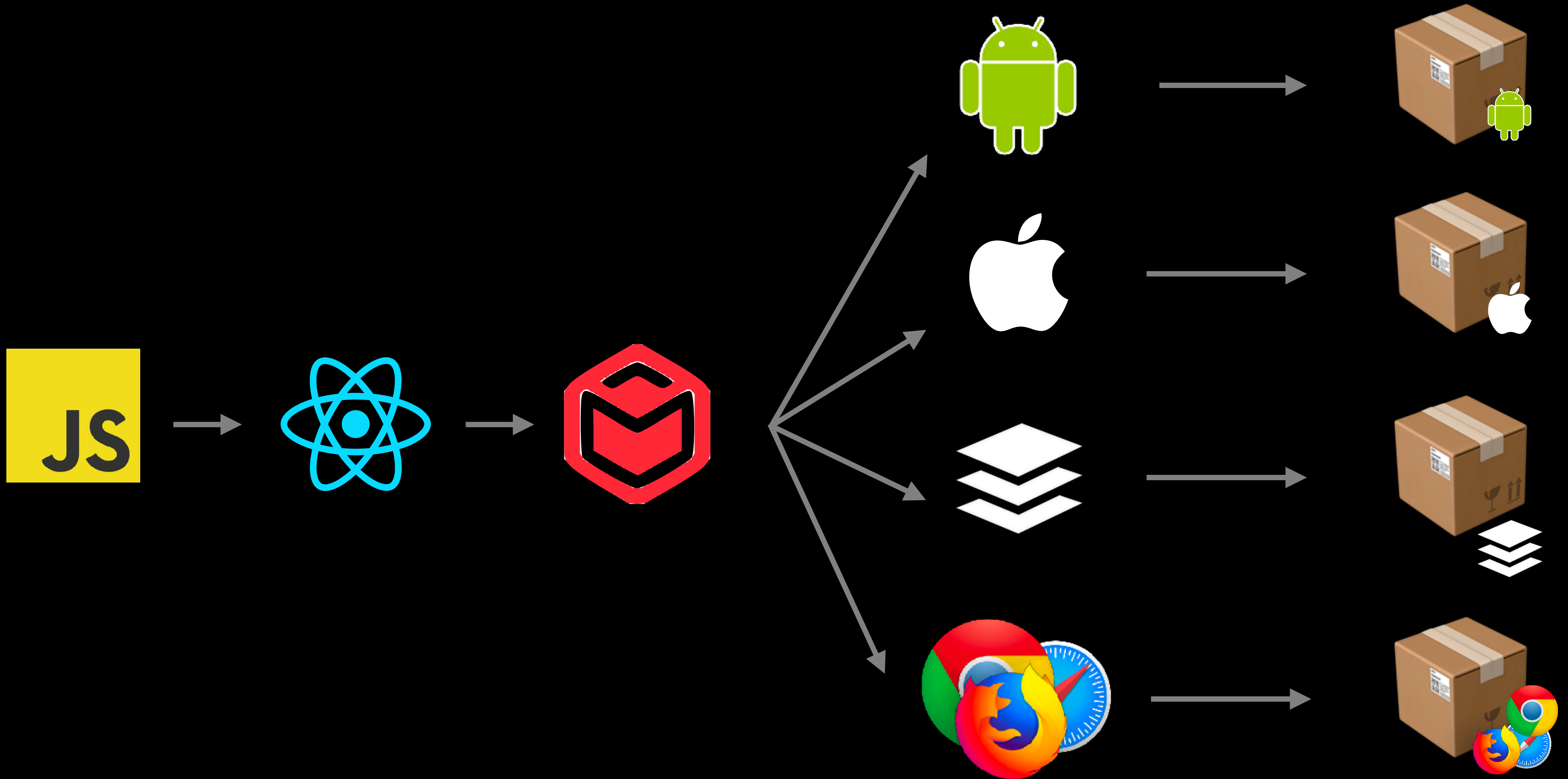
Web first

react-native-dom
@VincentRiemer

Native first

@tejaskumar_





@tejaskumar_



- Write React once, deploy everywhere
- Easy monetisation and distribution
- More ready access to native APIs
- Easy cross-app communication
- PWA-ready web version



- Different APIs for different devices
- Seemingly trivial tasks are more complex
- Requires Android Studio and Xcode
- Wiring up dependencies is a little complex



@tejaskumar_



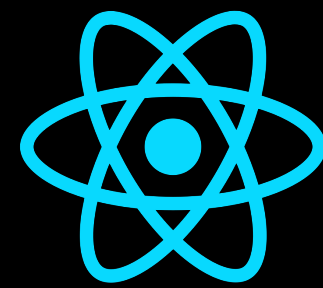
- Different APIs for different devices
- Seemingly trivial tasks are more complex
- Requires Android Studio and Xcode
- Wiring up dependencies is a little complex



- Different APIs for different devices
- Seemingly trivial tasks are more complex
- Requires Android Studio and Xcode



- Different APIs for different devices
- Seemingly trivial tasks are more complex
-



NATIVE



- Write React once, deploy everywhere
- Easy monetisation and distribution
- More ready access to native APIs
- More performance
- Easy cross-app communication
- PWA-ready web version



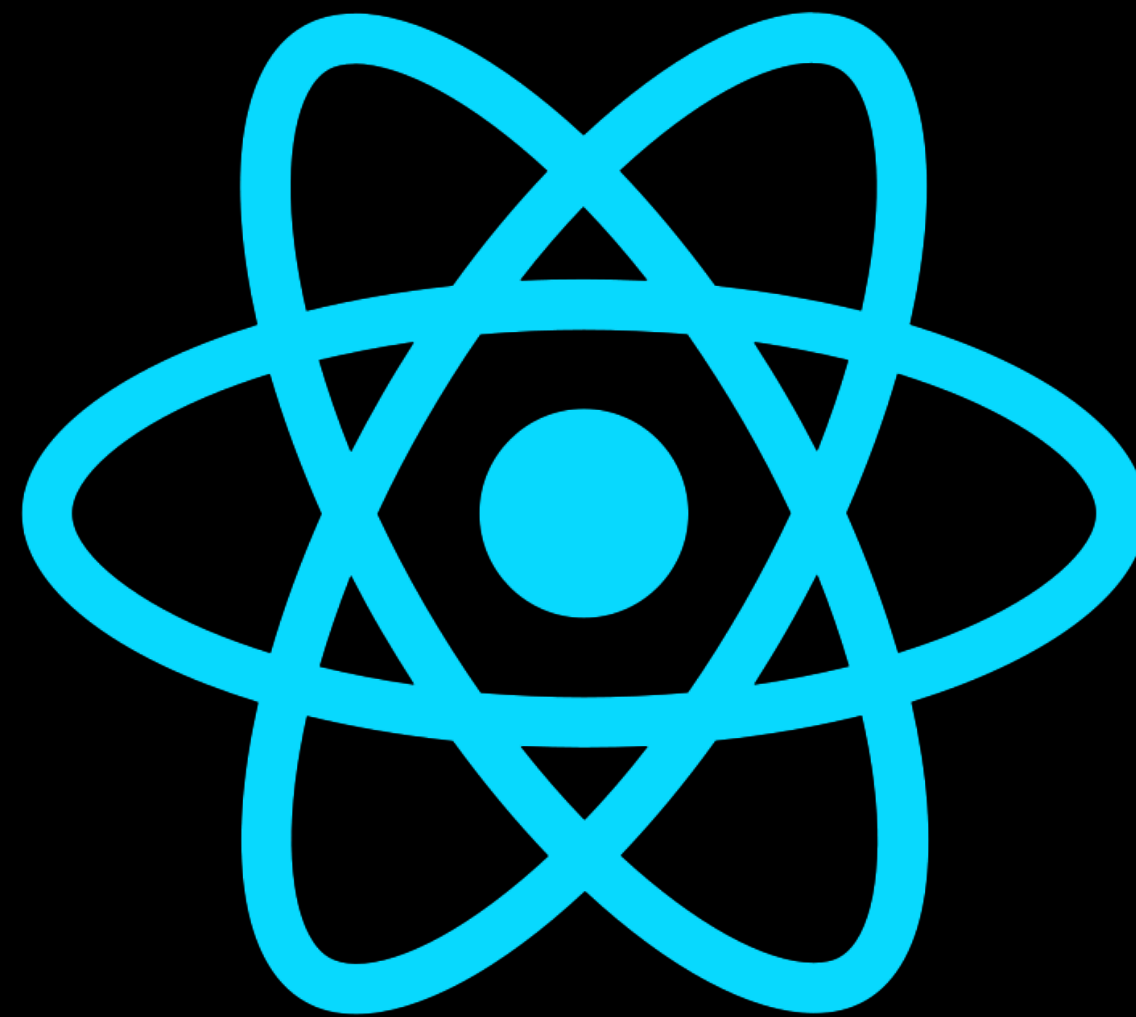
- Different APIs for different devices
- Seemingly trivial tasks are more complex
-

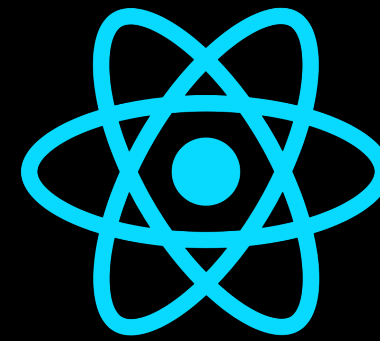
PROGRESSIVE

@tejaskumar_

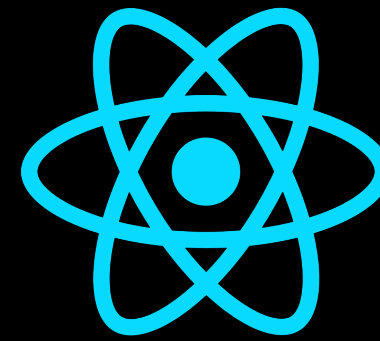
PWA CHECKLIST

- Served with TLS-encryption
- Responsive design on all device types
- Works offline
- Metadata manifest for "app" on home screen
- Fast (<10s) load on slow 3G
- Works across all browsers
- Page transitions don't block
- Each route has a URL
- Site is crawled by search engines
- Schema.org metadata available
- Social metadata available
- Canonical URLs available
- Routing uses History API
- No jump as the page loads
- Back button retains scroll
- Inputs avoid keyboard





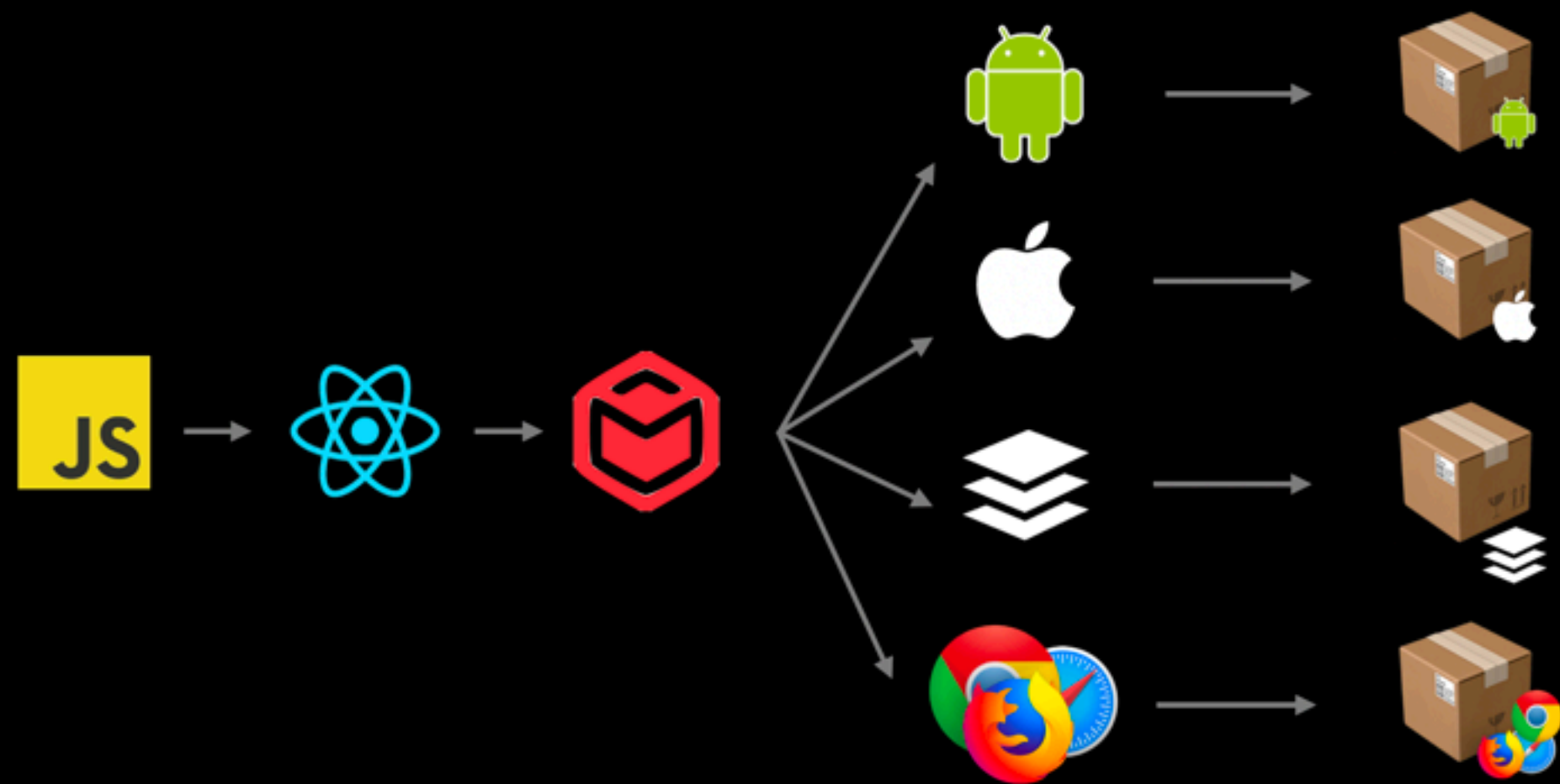
- Work on all devices for "free"
- A single codebase for everything
- Use device features when available
- Universal experience
- Use known tools as web developers



- Hard to monetize/market
- Limited access to device APIs
- Cross-app communication is impossible
- UI/UX inconsistency
- Browser Support
- Security



Native

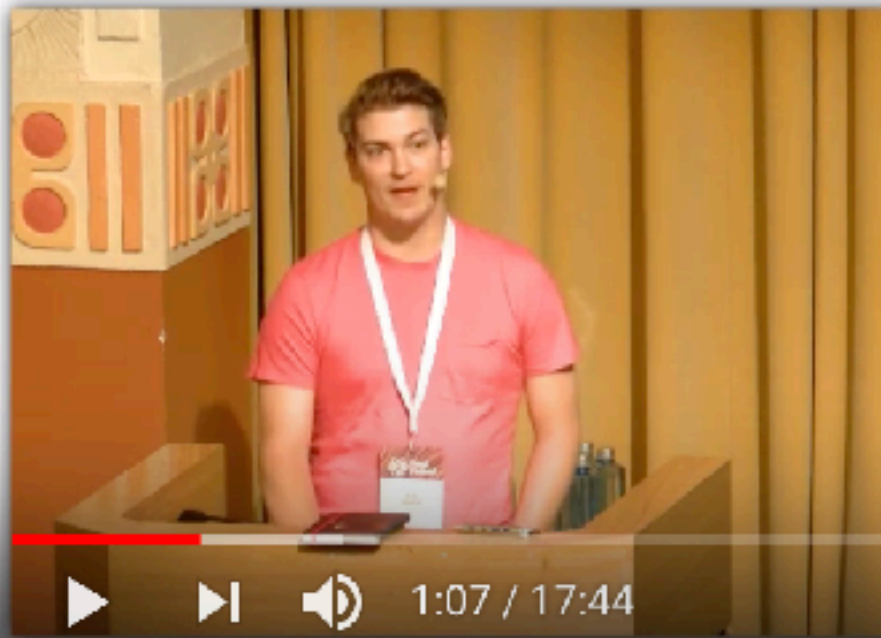
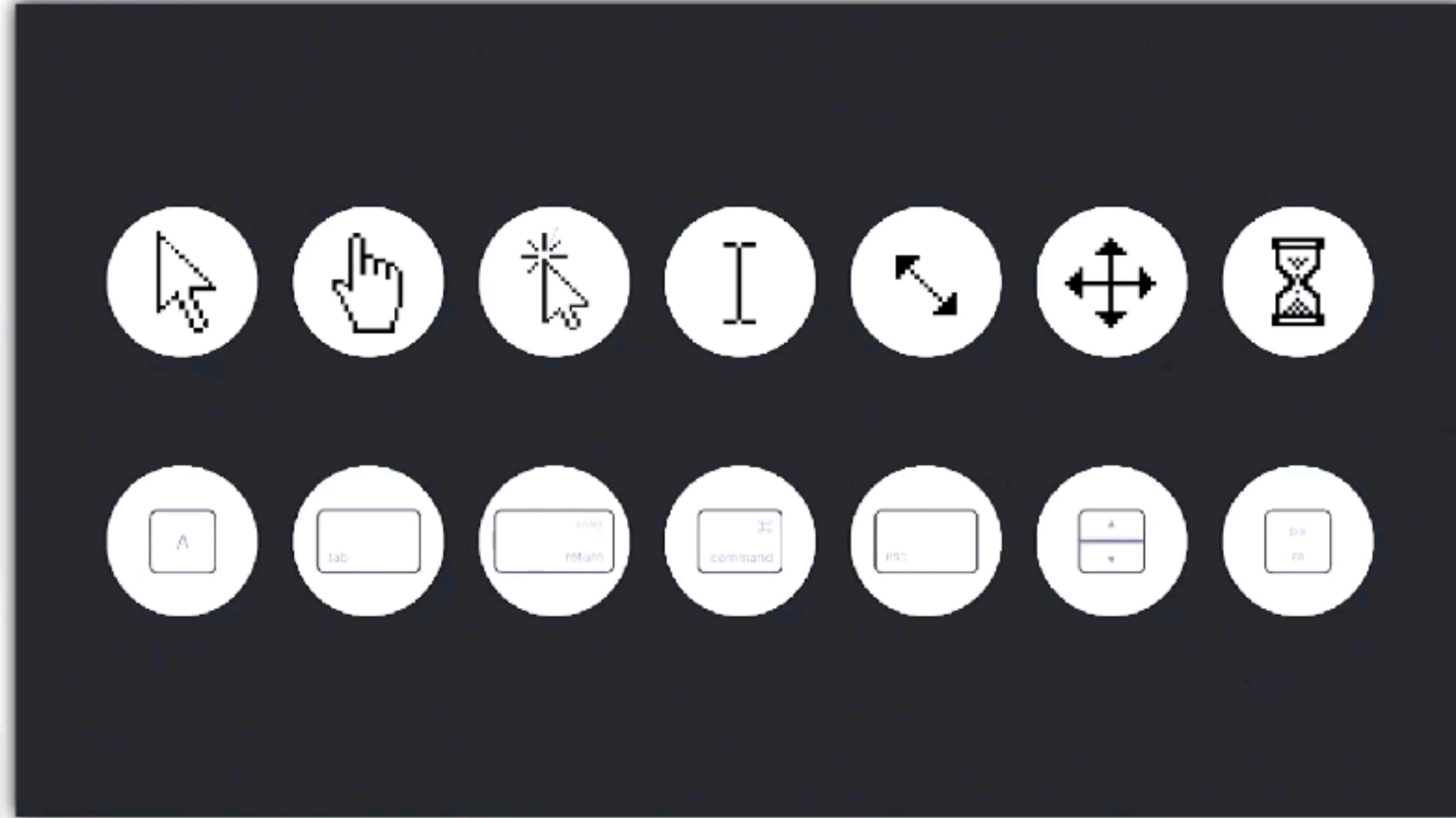


PWA



Which one should I use?

"It depends."



The Untouchable Web - Rick Hanlon

75 views

👍 2 💬 0 ➦ SHARE ≡+ SAVE ⋮



React Finland
Published on 2 May 2019

SUBSCRIBE 350

@tejaskumar_

We make apps to solve problems

It's all about tradeoffs

Customers first



NATIVE / PWA

@tejaskumar_

Thank You

[twitter.com / tejaskumar_](https://twitter.com/tejaskumar_tejas)

tej.as

Thank You

[twitter.com / tejaskumar_](https://twitter.com/tejaskumar_tejas)

tej.as