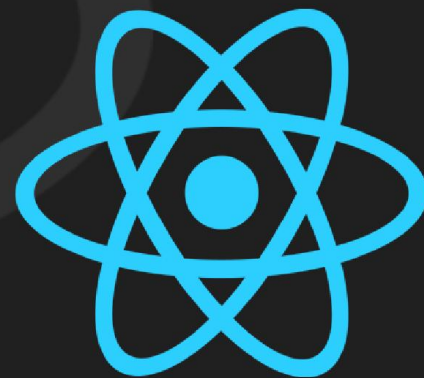


React Native  
Learn **Once**  
Write **Anywhere**



# Hello....



## Arryangga Aliev

Web Developer & Remote Worker



# Types of Apps Available on **Mobile Device**

# Mobile Web App

- Coded in HTML5, Javascript, CSS
- Run in Browser
- Cross Platform
- No Access to Native API
- Can not run Offline

# Native App

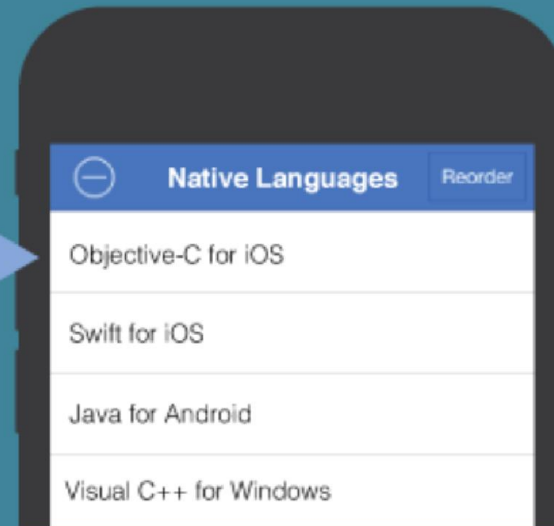
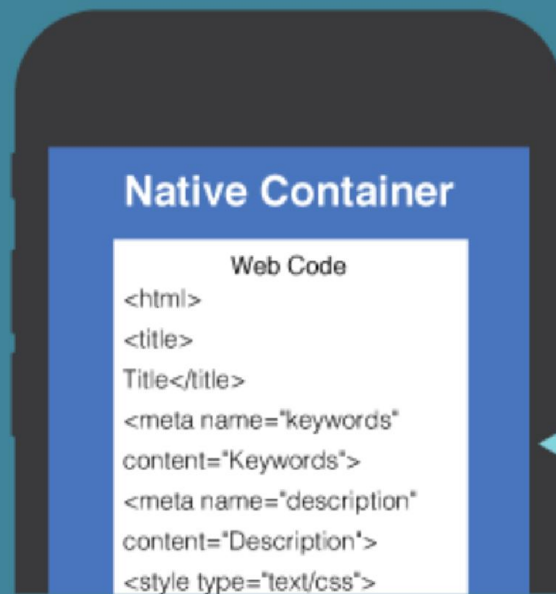
- Coded in Native Language (Java/Kotlin = Android , Swift/Obj.C = iOS)
- Use **Native API**, and access all functionality on the device
- Lightweight
- Best User Experience
- Not Cross Platform
- Expensive : hire separate developers for each device

# Hybrid App

- Web App that is Wrapped in Native App (ie. **WebView**)
- Ionic, PhoneGap, Cordova
- Cross Platform
- Not Clean, Smooth as Native App

# NATIVE

written for a specific  
operating system

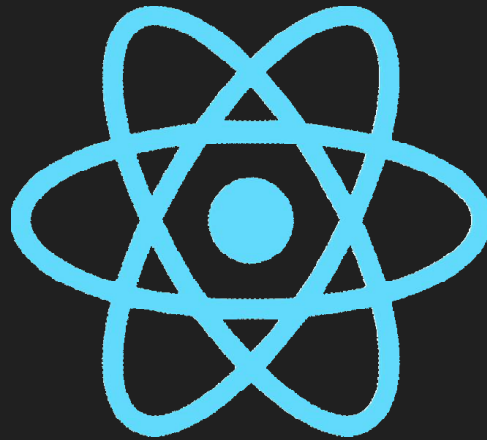


# HYBRID



blend of web and native,  
can be supported by  
different operating systems

# What is React?



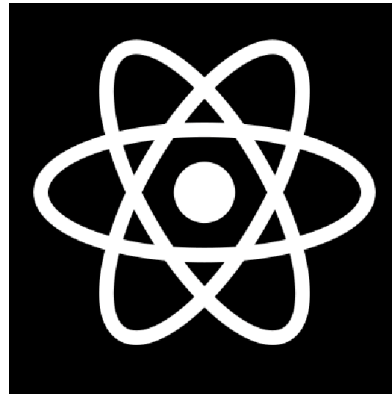
React is **Javascript library** for building **User Interface** on Website



# What is React Native?

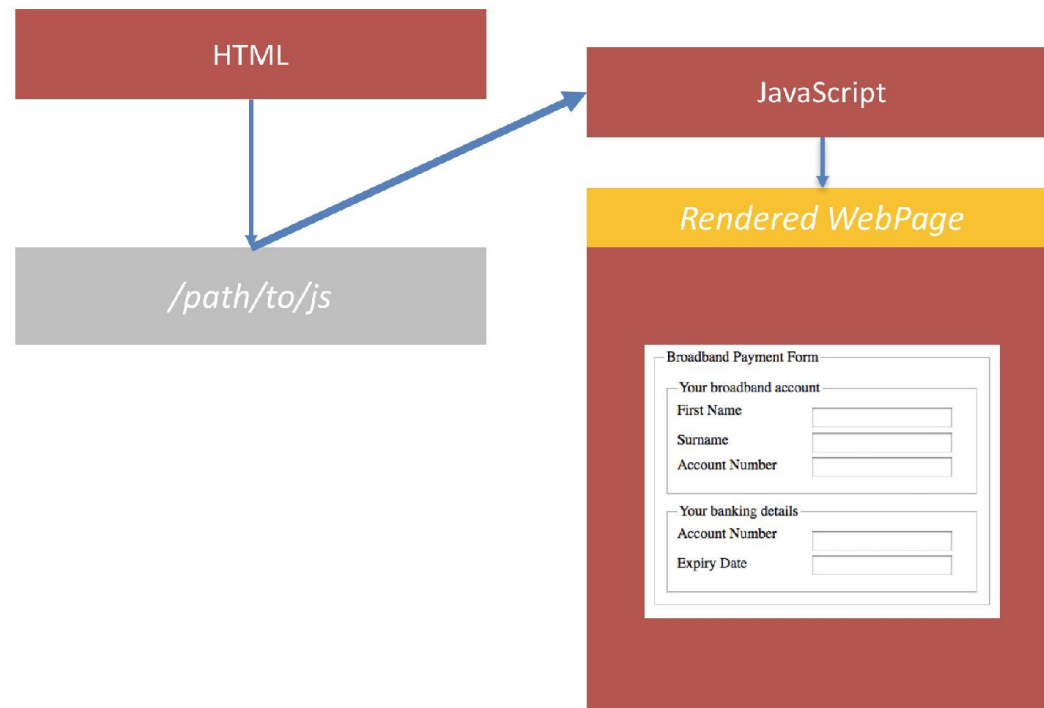
Framework for building **Native Mobile Apps** using  
*Javascript* and *React.JS* Library

# Cross Platform...



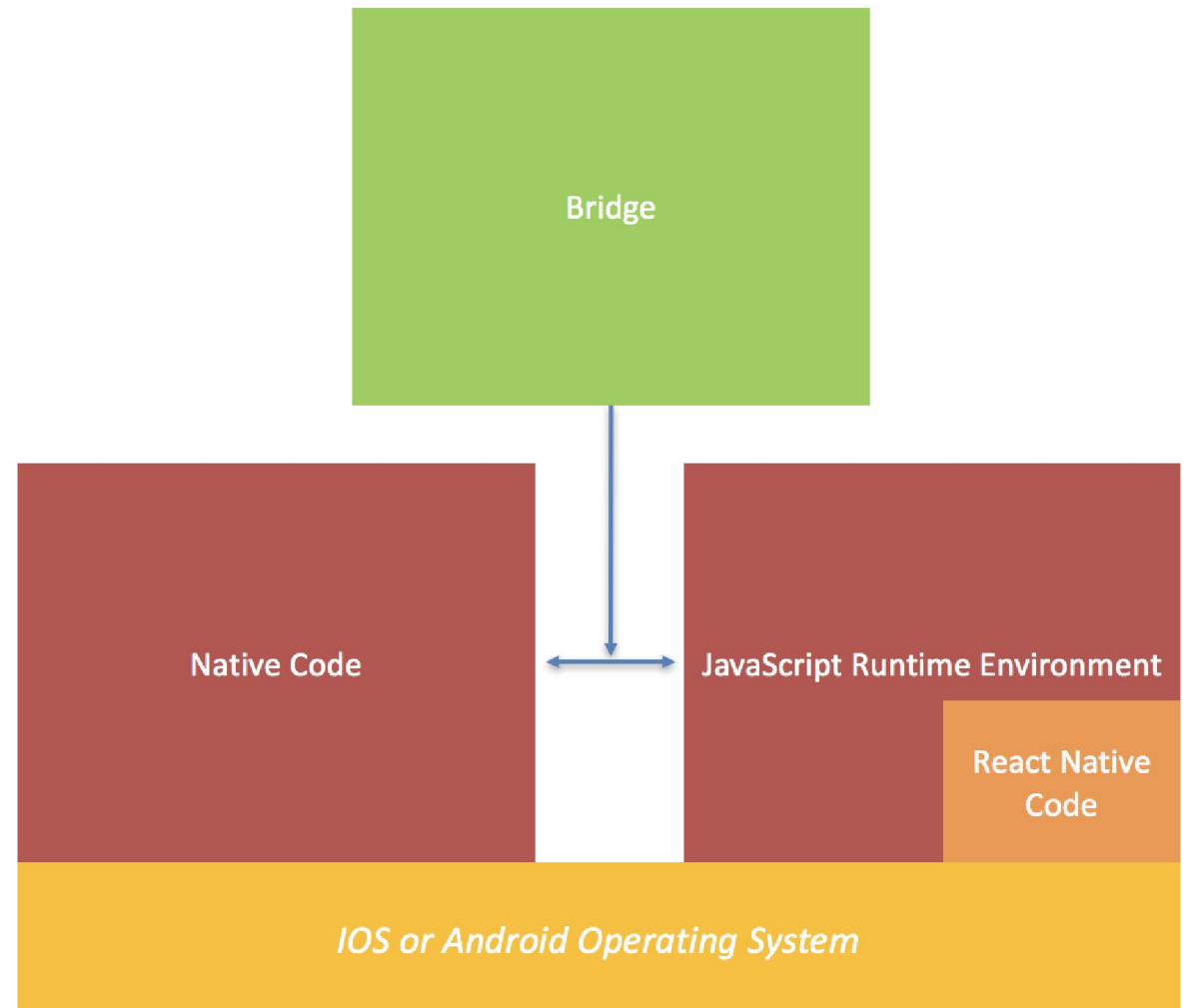
# How React Native Works?

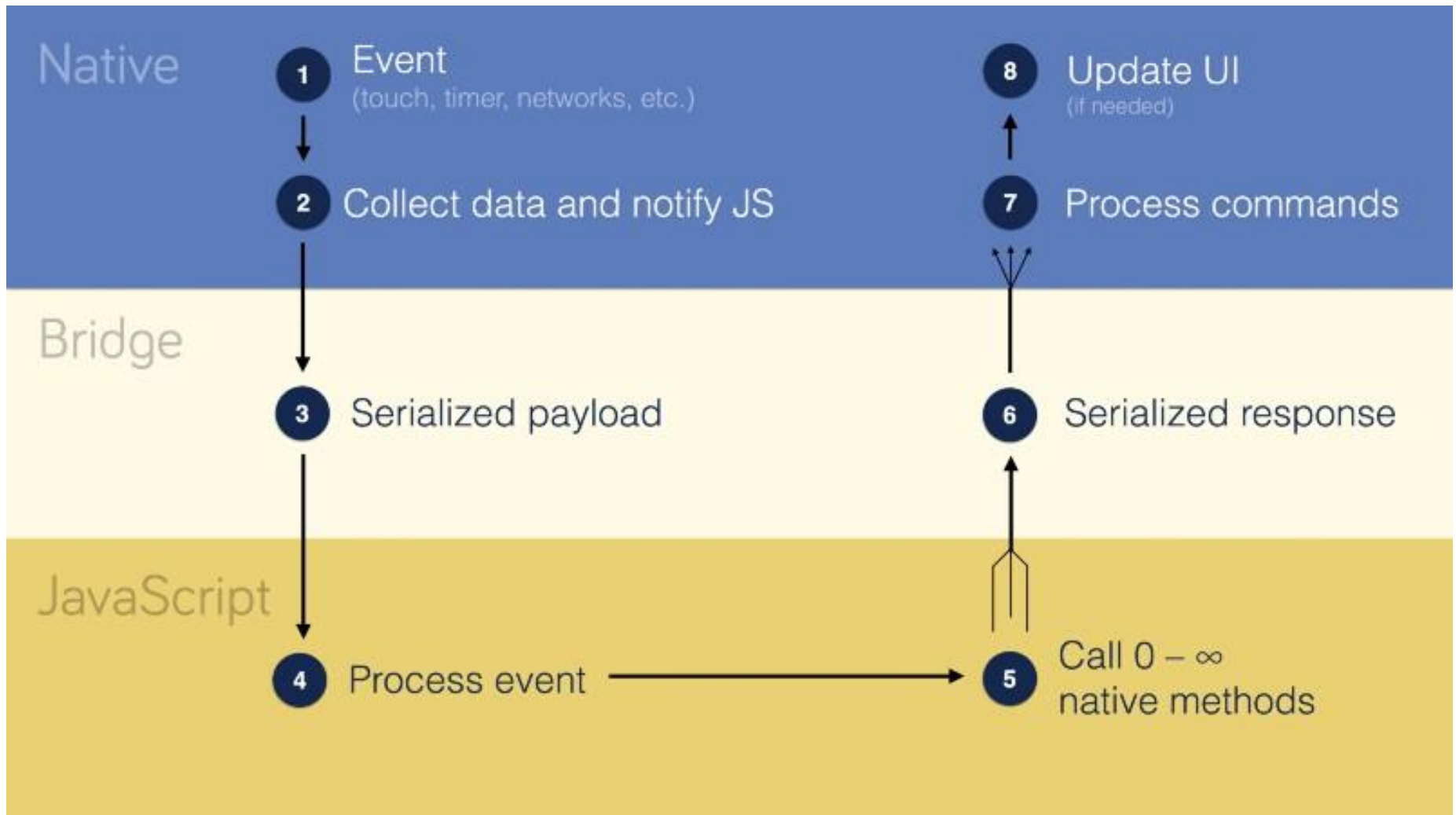
# Normal Javascript Works



# React Native Works

🕒 1 hour ago





# Why I Use React Native?

Mobile Development is EAZYYY







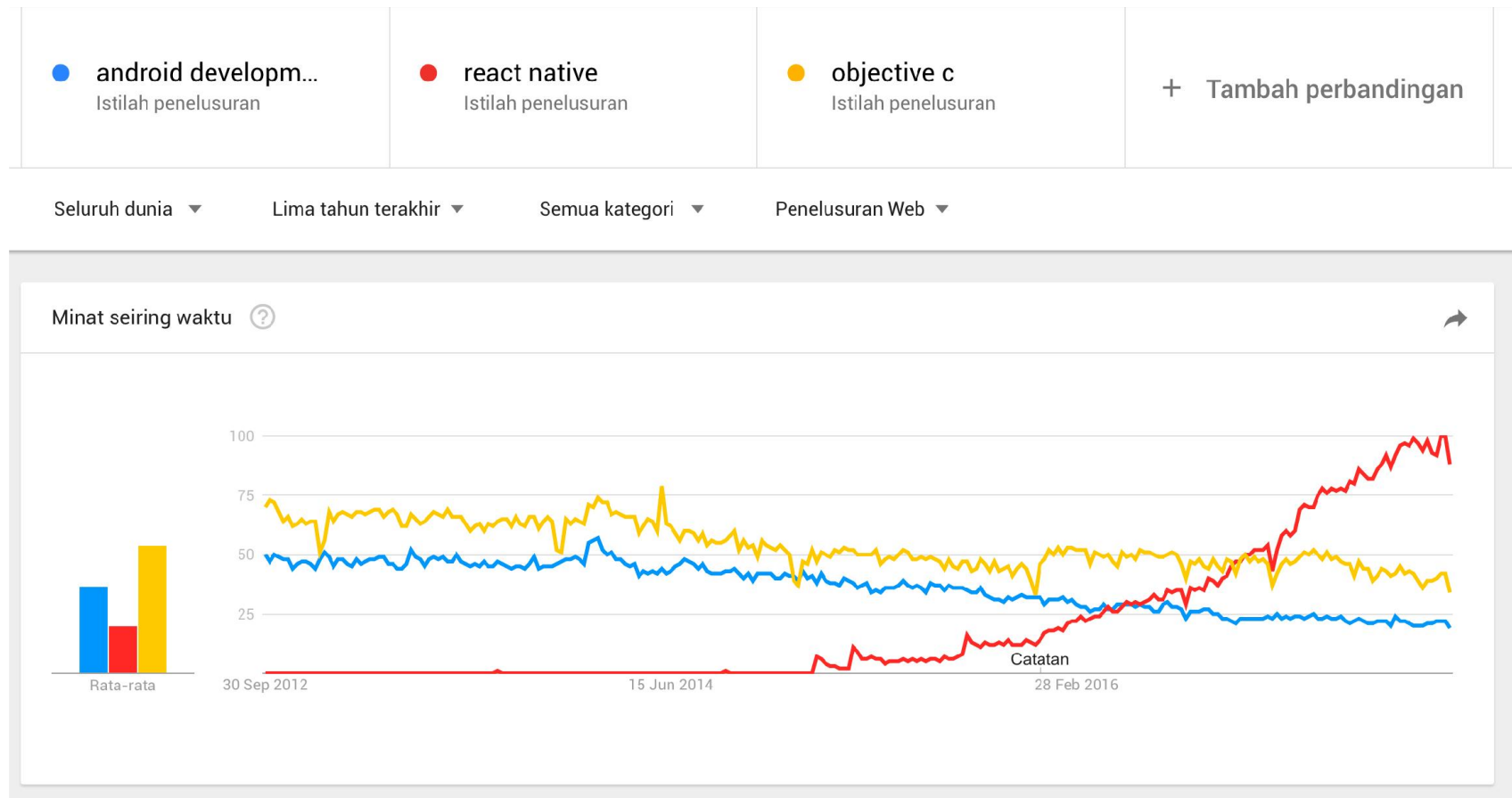
PANGGIL  
PROGRAMMER

2

MINGGU  
KELAR

HYPER

# Trends...



## Who's Using React Native?



Facebook  
iOS · Android

[Using React Native in the Facebook App](#)



Facebook Ads Manager  
iOS · Android

[How We Built the First Cross-Platform React Native App](#)



Instagram  
iOS · Android

[React Native at Instagram](#)



F8  
iOS · Android

[Tutorial: Building the F8 conference app](#)



Satreskoba Polrestabes  
Surabaya  
Android

[Using React Native in their Internal Office](#)



Airbnb  
iOS · Android

[Hybrid React Native Apps at Airbnb](#)



Skype  
iOS · Android



Tesla  
iOS · Android



Walmart  
iOS · Android  
[React Native at Walmart Labs](#)

React Native Solved My  
Problem

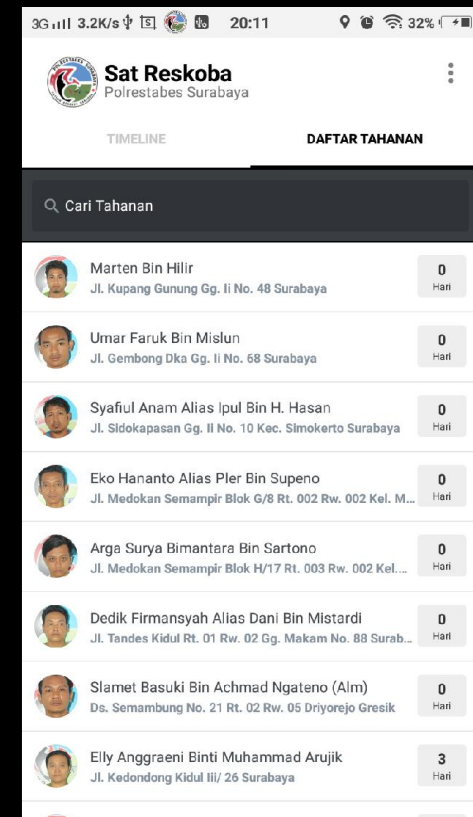
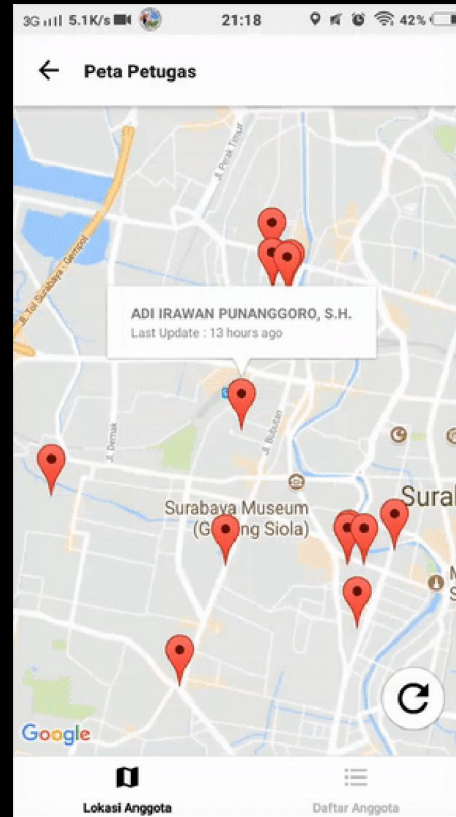


### **Tech :**

- Laravel
- React Native

### **Feature :**

- Prisoner Information
- Timeline Status
- Prisoner Image Gallery
- **GPS Tracker**





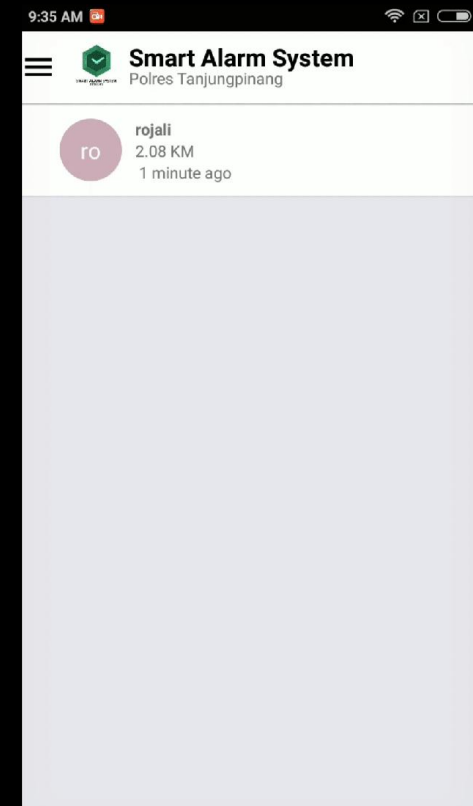
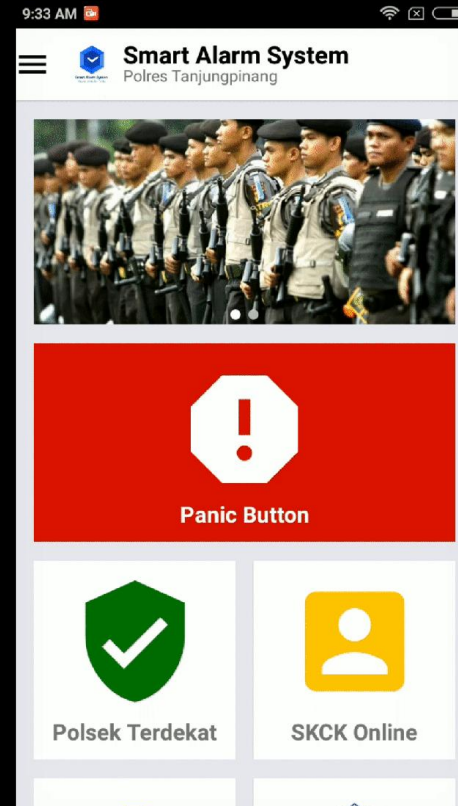
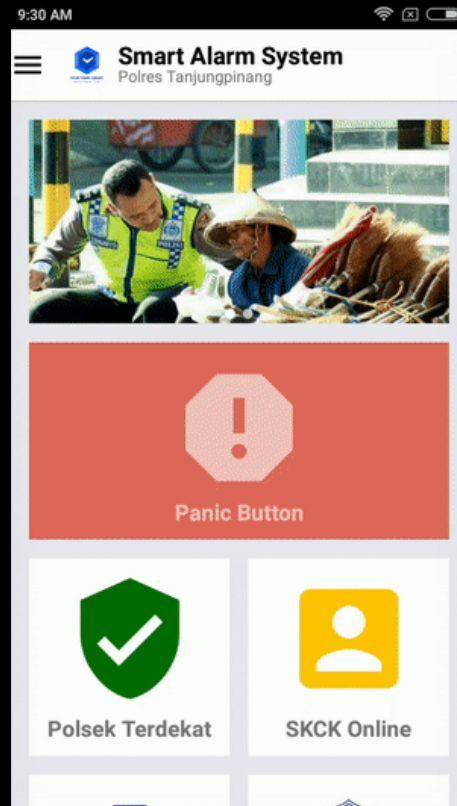
## **Tech :**

- Laravel
- React Native

## **Feature :**

- Gojek/Uber like Apps
- ATM/Bank/Hospital Finder
- Traffic Reports





# Get Started

- Basic **ES2015/ES6** 😊😋
- Learn React.js 😊😋
- Install iOS / Android Development Tools || [Expo.io](https://expo.io) 👍  
😊
- brew install node
- brew install watchman
- npm install -g react-native-cli
- react-native init **Demo**
- cd **Demo**
- react-native run-ios

# Browser DOM vs Mobile

- <div>
- <img>
- <span>, <p>
- <ul>, <ol>
- <View>
- <Image>
- <Text>
- <ListView>

<Text>Hello World...</Text>

# Styling, not really CSS

## Normal CSS

```
.container {  
  flex: 1;  
  align-items: center;  
  padding-top: 0;  
}
```

## ReactNative

```
container: {  
  flex: 1,  
  alignItems: 'center',  
  paddingTop: 30  
}
```

# JSX

JSX is a preprocessor step that adds XML syntax to JavaScript.

You can definitely use React without JSX but JSX makes React a lot more elegant.

```
export default class Demo extends Component {  
  render() {  
    return (  
      <View>  
        <Text>Hello, Surabaya</Text>  
      </View>  
    );  
  }  
}
```

# Props

```
export default class Demo extends Component {
  render() {
    return (
      <View>
        <HelloWorld name={`Jendral`} />
      </View>
    );
  }
}

export default class HelloWorld extends Component {
  render() {
    return (
      <Text>
        {`this.props.name`} />
      </Text>
    );
  }
}
```

# State

```
export default class Demo extends Component {

  constructor(props) {
    super(props);
    this.state = { name: 'World' }
  }

  render() {
    return (
      <View>
        <Text/>{`this.state.name`}</Text>
        <TouchableOpacity onPress={()=>{
          this.setState({
            name : 'New Name'
          })
        }}>
        <Text/>Ubah Nama</Text>
      </TouchableOpacity>
    </View>
  );
}
```

# DEMO

- Styling
- Props
- State
- Navigation
- Storage