

React Native:

React Native - Introduction

- A. What is React Native?
- B. What does it do for us? Why choose it?
- C. Pros and cons
- D. Architecture
- E. Sharing with web projects
- F. What React Native code looks like
- G. Leveraging your React knowledge

React and Redux reviews

- A. Redux reminder
- B. Reducers, actions, state, store, and middleware
- C. React reminder
- D. SFCs vs class-based components
- E. Composition
- F. JSX structure and rules
- G. props
- H. state
- I. Controlled and uncontrolled components
- J. Virtual DOM vs the real DOM

The Development Process

- A. Where do I even start?
- B. react-native vs. create-react-nativeapp
- C. Which is better for given situations
- D. The React Native team's recommendations
- E. What is expo?
- F. Creating a new React Native app

- G. How to run it on a tethered device
- H. How to run it on a wireless device
- I. How to run it in an Android emulator
- J. How to run it on an iOS simulator
- K. Debugging in a browser window
- L. Logging, breakpoints, stepping through
- M. YellowBoxes and RedBoxes

Single-value Controls

- A. Components overview
- B. Categories of components
- C. Text
- D. Text props and events
- E. TextInput
- F. props and events and the event object
- G. Image
- H. Differences between HTML and React Native images
- I. Reserving space for them
- J. Local images vs remote images
- K. resizeMode

Platform-specific Development

- A. How can we develop differently on the different platforms?
- B. Why would we ever do this?
- C. Technical roadblocks
- D. The DatePicker - iOS vs Android
- E. Using the Platform module

Layout Components

- A. Components review

- B. View
- C. SafeAreaView
- D. ScrollView
- E. Pinch-to-zoom
- F. KeyboardAvoidingView
- G. How to create modal views
- H. Controlling the OS's status bar

Flexbox for Native Layouts

- A. Why flexbox?
- B. Where it came from
- C. Flexbox on the web is NOT flexbox on native
- D. Containers and items
- E. flexDirection
- F. flexBasis vs width/height
- G. flexShrink, flexGrow
- H. The flex shorthand
- I. justifyContent and alignContent
- J. flexWrap

Styling React Native Apps

- A. How React Native styles differ from CSS
- B. How to apply styles
- C. How to control style inheritance
- D. Style arrays
- E. Four methods of defining styles
- F. Common properties.
- G. Cross-platform fonts
- H. Conditional and programmatic style

Navigation

- A. What is navigation, really?
- B. How to get React Navigation
- C. The three types of navigators
- D. StackNavigator
- E. Routing object
- F. Navigation config
- G. How to pass params when navigating
- H. TabNavigators
- I. Three types of TabNavigators
- J. How to set icons
- K. DrawerNavigator
- L. Examples and demo

Ajax in React Native

- A. Why it must be different on a device
- B. The fetch API
- C. How to show a loading indicator
- D. How to make requests and populate affordances
- E. Security in a native environment

List Components

- A. Components review
- B. Pickers
- C. FlatList
- D. SectionList

Touchable and Buttons

- A. The Button API
- B. Button events and props

C. Why touchables?

D. TouchableWithoutFeedback

E. TouchableNativeFeedback

F. TouchableOpacity

G. TouchableHighlight

H. How to disable a touchable

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