

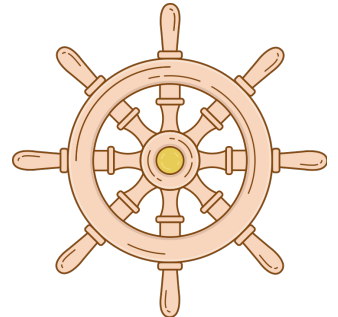


# React Native Primer Workshop - You're Invited!

You're invited to join us for a FREE React Native workshop! Learn the fundamentals and get hands-on training to build your own mobile app with this growing, cross-platform framework used by Facebook, Instagram, Airbnb, Tesla, Skype, and more.

Airship will host and instruct this free introductory workshop — open for developers of ALL skill levels\*. It's our way of giving back to the Birmingham tech community we love!!

Attendees can participate in-person or remotely. Please [register here](#) and tell us how you'll be attending for further instructions.



**Date:** Sat., Nov. 11, 2017

**Time:** 9 a.m. - 12 p.m.

**Location:** Airship Office - 2829 2nd Ave South, Suite 340, Birmingham, AL 35233 (Dr. Pepper Building - Pepper Place)

**Remote Option:** Link to attend live workshop will be emailed that morning - so register!

## Pre-Requisites

- Bring your laptop (MacBook preferred)
- Bring your mobile device (iOS or Android)
- Download Expo XDE on your [laptop](#) and the Expo app on your mobile device ([iOS](#) or [Android](#))
- Github login (so you can access code and sample data when building your app)
- **\*NOTE:** Developers of all skill levels are invited, but we do recommend having a basic understanding of JavaScript to get the most out of the workshop. If you need to get up to speed, we suggest completing an online course beforehand. We like [this free one](#) by Codecademy.

## Key Takeaways

- Write JavaScript using the most up to date syntax and standards as needed and used by the framework
- Understand the differences between React Native & other hybrid app frameworks
- Build responsive user interfaces for both iOS and Android platforms
- Style components, including understanding Flexbox & React Native styling
- Import and use external libraries into a React Native project
- Target individual platforms at compile time for platform specific integration
- Implement basic animations using React Native APIs
- Build and run applications in both simulator and device environments

## Agenda

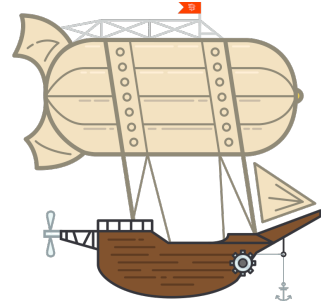
Airship Builders will be leading the workshop, blending lectures + step-by-step guidance as you build your own app with React Native.

### Part 0 - Welcome

- Discuss Airship's experience with React Native
- How we've used it, why we love it, and why we are committed to it!

### Part 1 - Intro to React Native

- Detail how it's different from other hybrid app frameworks and the pros/cons
- Define need-to-know concepts and fundamentals to create an app
- Provide basics of Expo and how to use
- Discuss troubleshooting and must-have tools



### Part 2 - React Native Components

- Demonstrate new and commonly-used ES6/ES7 features
- Explain basics of JSX
- Define React Native Components and which one are key
- Define React Component Lifecycle methods and their roles

### Part 3 - Building & Styling First Screen

- Outline the app features and start building your first screen!
- Discuss the similarities and differences between React Native and CSS
- Walk through styling properties and layout with Flexbox
- Walk through adding views and connecting with sample data

### Part 4 - Refactor & Build App

- Build the remainder of our app
- Summarize differences between functional and class components
- Explain modals, their role, and how to create them
- Discuss STATE and how it's used to control data shown in app
- Discuss animations and UI properties
- Bask in the glory that is an awesome, working app built using React Native!!

## About Airship

Airship designs and develops custom web/mobile applications and enterprise software solutions that companies can depend on. Based in Birmingham, AL, our mission is to pursue excellence in everything we do. By fostering teamwork and collaboration, Airship works as a unit to solve problems and add value with lasting significance to our clients, fellow team members, and our communities. Learn more at [teamairship.com](http://teamairship.com).