Notes: Hello! My name is Nick Scaturro. I was a project manager for IMS in Spring 2017, having worked on GatherUp for 3 consecutive semesters. The guide below should help you figure out the asininely complicated build process for React Native with relative ease.

All the paths used are the paths on my machine. You will obviously need to change these for your machine. Things like where you store your JDK and Android keystore.

If you still have questions, you can contact me at nscaturr@purdue.edu

1.) Use Android Studio to generate a keystore. Give it all the relevant details about the project. Make the GatherUp password Boilers1! When prompted.

(From the Application directory, using a bash tool like GIT bash)

2.) React-native start

3.) curl "http://localhost:8081/index.android.bundle?platform=android" -o

"android/app/src/main/assets/index.android.bundle"

or

curl "http://localhost:8081/index.android.bundle?platform=android" -o

"android/app/build/intermediates/assets/release/index.android.bundle"

(From the Application/android subfolder)

4.) ./gradlew assembleRelease

You may have to run the above a few times to get it to successfully build. It throws random operation not permitted errors that just go away if you run it enough times.

5.) "D:/Program Files/Java/jdk1.8.0\_101/bin/jarsigner" -verbose -keystore "D:\GatherUp-ReactNative\Application\android\app\build\outputs\apk\android.jks" "D:\GatherUp-ReactNative\Application\android\app\build\outputs\apk\app-release-unsigned.apk" GatherUp

Enter Passphrase for keystore (you made this)

Enter key password for GatherUp: Boilers1!

6.) "D:\Users\User\AppData\Local\Android\sdk\build-tools\25.0.2\zipalign" -f -v 4 "D:\GatherUp-ReactNative\Application\android\app\build\outputs\apk\app-release-unsigned.apk" "D:\GatherUp-ReactNative\Application\android\app\build\outputs\apk\app-release-signed.apk"

To install without using the Google Play Store, plug in your phone by usb and allow USB debugging and installation from unknown sources. You will need developer options for this. Then, either copy the app-signed-release.apk file over and run it on the phone, or run this command from where the .SDK is stored on your machine:

adb install app-release-signed.apk