**System requirements:**

* CPU: i5 or higher
* 8GB of ram min, 16GB recommended
* Widows 10 or higher

**Instillation instructions:**

Node.js:

1. Go to <https://nodejs.org/en>.
2. Download the recommended version of Node.js.
3. Run the Node.js installer.
4. Keep clicking on next until you reach the install page and click on install.
5. Click finish when Node.js has finished installing.

React Native CLI:

1. Go to <https://reactnative.dev/docs/environment-setup>.
2. Download Android studio.
3. Run the Android studio installer.
4. Keep clicking on next until you reach the install page and click on install.
5. Click finish when Android studio has finished installing.

**Configuration steps:**

1. Start Android studio.
2. Choose the standard set up.
3. Choose your preferred UI theme and click next.
4. Make sure Android SDK checked, chose where to install it, and then click on next.
5. Agree to the licence agreements and click on next.
6. Click on finish once the components have finished downloading.
7. Start Android studios, select more options, select SDK manager, and ensure that Android API 34 is selected.
8. Go to settings and go to the edit environment variables for your account.
9. Create a new user variable called ANDROID\_HOME with the value of the path where Android SDK is.
10. Edit the path environment variable and add the path where Android SDK is with platform-tools at the end.

**Project creation:**

1. Open command prompt and navigate to where you want to create your project.
2. Type “npx react-native@latest init” followed by the name of your project.
3. Type y then enter and wait for the project to be created.
4. Type “I -g npm” if there are any updates.

**Running the project:**

1. Open the project in Android Studio.
2. Select Build and then Build Project.
3. Once the build was successful select Run and then Run App.
4. Wait until the virtual device is running and then type “npm run start” into the command prompt where your project is located.
5. Type r to reload the app.

**Troubleshooting:**

* Check the system environment variables and remove the jdk paths from path.
* Restart your computer.
* Use react native doctor to diagnose to issue.

**Resources:**

* Basics of React Native: <https://reactnative.dev/docs/tutorial>
* Tutorial for learning react native: <https://www.tutorialspoint.com/react_native/index.htm>