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1. **SYSTEM REQUIREMENTS**

Operating system-

* Windows: Windows 10 or higher.
* MacOS: MacOS 10.14 or higher.
* Linux: Ubuntu 18.04 LTS or higher.

CPU- Multi core processor having at least least dual cores.

RAM-8GB or more.

Integrated development Environment- Any IDE can be used. I am using VS Code.

Node.js and NPM-Install LTS version.

Java development kit (JDK)-JDK 8 or higher should be installed.

Android studio-Install latest version of android studio with android SDK. (with latest version SDK is already installed as bundle)

1. **INSTALLATION INSTRUCTIONS**

**Install NODE:**

* Go to website: Node.js
* Click and download: 18.18.0 LTS version (do not uncheck/check anything while installing, keep it default.

**Install android studio:**

* Download and install Android Studio.
* While setting up Android studio ensure Android SDK, Android SDK platform and Android Virtual device is checked.
* Accept all the license agreements and then click finish.

**Install Android studio SDK:**

* Open android studio.
* Then expand it and ensure the following items are checked: Android SDK Platform 34 and Intel x86 Atom\_64 System image or Google APIs x86 Atom System Image.
* Then click on “SDK Tools”, then “Show Package Details” and check Android SDK Build tools 34.0.0.
* Click Apply to download.
* Then click: More actions-SDK Manager-Languages and Frameworks.

1. **CONFIGURATION STEPS**

\_\_\_\_How to configure ANDROID\_HOME environment variable:

* + - Open control panel for windows.
    - Click “User accounts”.
    - Click on “change my environment variables".
    - Create news ANROID\_HOME user variable directing towards Android SDK path on your device.

\_\_\_Adding platform tools to path.

* Open controls panel for windows.
* Click “User Accounts”.
* Click “change my environment variables”.
* Click “path variable”-“Edit”
* Check path to platform tools and click ok.

1. **PROJECT CREATION**

* Create a new folder. (Ensure you do not save it in overdrive)
* Open the command line and enter the path of your saved folder.
* Run npx react-native@latest init(ProjectName)
* Enter “Y”.
* Project is created.

1. **Running the project in Android Studio**

\_\_\_Create an AVD (Android Virtual Device)

* Open android studio.
* Click “More actions” – “Virtual device manager” – create device.
* Select Mobile phone (as per video it was Google pixel 7).
* Then select the image size. (As per video it was “r”.
* Now click finish.

\_\_\_Running the project in Android Device Stimulator

* Open android studio.
* Open the Android file in the React Native Project.
* Then click Build-Make Project.
* When the building is completed, click “run app”.
* App will be launched after that.

1. **Troubleshooting**

No error was found, everything works fine.

**LINKS TO DOWNLOAD VARIOUS SOFTWARES**

[Node.js (nodejs.org)](https://nodejs.org/en)

[Download Android Studio & App Tools - Android Developers](https://developer.android.com/studio)

[Setting up the development environment · React Native](https://reactnative.dev/docs/environment-setup)