## System Requirements

Processor 12th Gen Intel(R) Core(TM) i7-12700H 2.30 GHz  
Installed RAM 40.0 GB (39.7 GB usable)  
System type 64-bit operating system, x64-based processor  
Pen and touch No pen or touch input is available for this display

Edition Windows 11 Pro  
Version 22H2  
Installed on ‎2022-‎12-‎24  
OS build 22621.3007  
Experience Windows Feature Experience Pack 1000.22681.1000.0

## Installation Instructions & Configuration Steps

Run Get-ExecutionPolicy, if it says Restricted run Set-ExecutionPolicy Bypass -Scope Process to allow for chocolatey to be installed. Then install chocolatey. Use chocolatey to install Node.js and JDK 17.

Download and install Android Studio. Check off Android SDK, Android SDK Platform, Android Virtual Device, and Performance (Intel ® HAXM). After that you have to set the RAM usage of the emulator, the recommended is 4 GB. Once that’s done accept the 3 license agreements and click finish. Then wait for install.

Install the Android 13 (Tiramisu) SDK so you can make React Native stuff. Go to SDK Manager, check Android SDK Platform 33 and Intel x86 Atom\_64 System Image or Google APIs Intel x86 Atom System Image, go to Build Tools and make sure 33.0.0 is checked, and click apply.

Add an ANDROID\_HOME environment variable that points to your Android SDK. Then put Get-ChildItem -Path Env:\ into powershell and verify the ANDROID\_HOME env var exists. Then add platform-tools to Path.

## Project Creation & Running

Create a new project with npx react-native@latest init [PROJECT NAME]. To run it first start metro with npm start, then start the application with npm run android.

## Troubleshooting

**Intel® HAXM installation failed.** To fix this problem follow the instructions in <https://github.com/intel/haxm/wiki/Installation-Instructions-on-Windows>. Go to SDK Manager and check if the installer is installed, and then go to C:\Users\Ethan\AppData\Local\Android\Sdk\extras\intel\Hardware\_Accelerated\_Execution\_Manager and run the installer. If its just that your hardware requirements aren’t met, tough luck.

## Resources

<https://reactnative.dev/docs/troubleshooting> the trouble shooting page for if you can’t get stuff to work