**React Native Development Guide**

**System Requirements**

CPU: 2.0 GHz dual-core processor or better

RAM: 8 GB or more

Operating System: Windows 10 or newer

**Installation Instructions**

Follow these step-by-step instructions to set up development environment for React Native.

1. Node.js Installation:

Download and install Node.js from the official website: Node.js.

2. React Native CLI Installation:

Open your command prompt or terminal.

Run the following command to install the React Native CLI globally:

**npm install -g react-native-cli**

3. Android Studio Installation:

Download and install Android Studio from the official website: Android Studio.

During the installation process, make sure to install the Android SDK and AVD Manager components.

**Configuration Steps**

Environment Variables:

Ensure that the Node.js and Android SDK installation paths are added to your system's PATH environment variable.

**Project Creation**

1. Project Initialization:

Open command prompt or terminal.

Navigate to the directory where you want to create your project. Choose local drive instead of OneDrive.

Run the following command to create a new React Native project:

**npx react-native@latest init MyFirstApp**

Project Setup:

Change to your project directory:

**cd MyFirstApp**

Project Configuration:

Additional configuration steps for your specific project can be found in your project's documentation or README file.

**Running the Project**

To run React Native project on an Android Device Simulator:

1. Open Android Studio.

2. Set up an Android Virtual Device (AVD) using the AVD Manager.

3. Open your command prompt or terminal.

4. Navigate to your project directory:

**cd MyFirstApp**

5. Run the following command to start the project:

**npm run start**

6. Type ‘a’ in command to run the project in Android Device Simulator

**Troubleshooting**

If encounter issues during setup or development, refer to the following troubleshooting steps:

Debugging: Use the built-in debugging tools provided by React Native. Enable debugging by pressing "Ctrl + M" in the Android emulator.

Error Messages: When you encounter error messages, search for them online or refer to the official React Native documentation for possible solutions.

**Resources**

For further learning and reference, explore the following resources:

React Native Official Documentation

React Native Community GitHub

React Native Tutorials on YouTube

Stack Overflow - React Native Questions