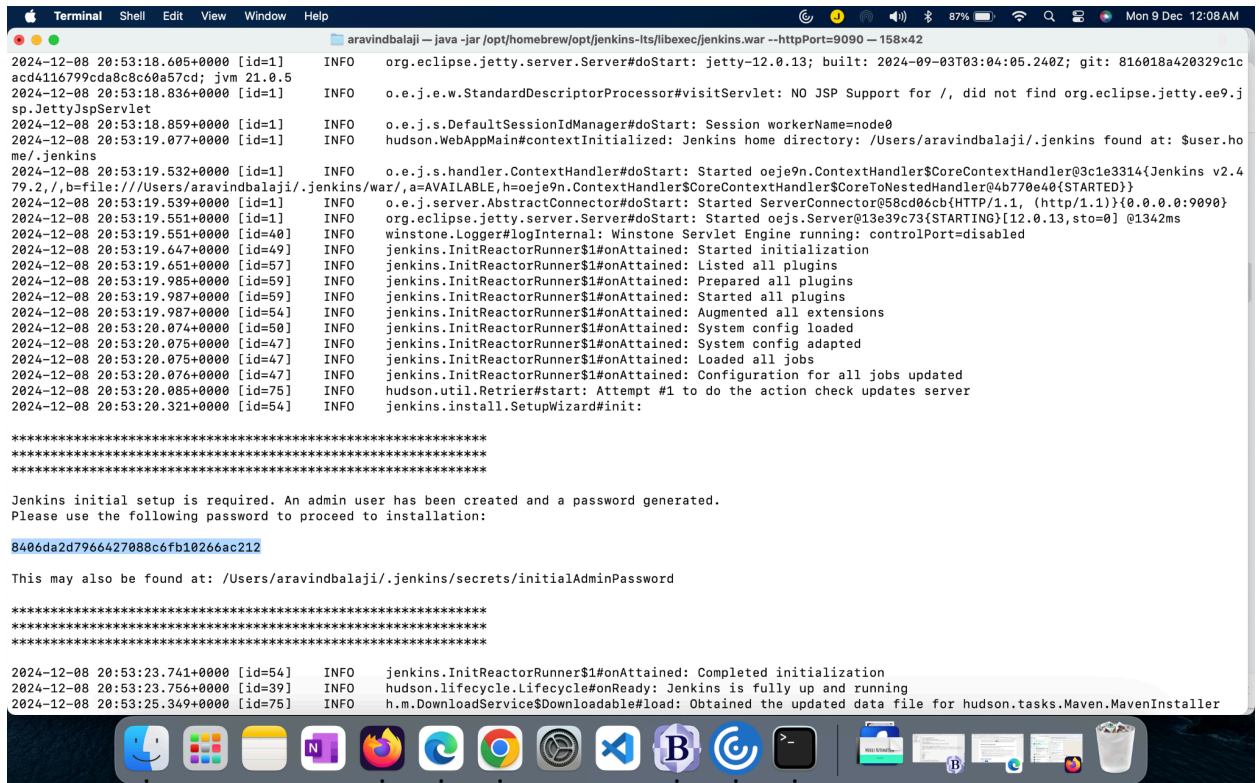


## Installation of Jenkins in MAC/Windows:<sup>1</sup>

Mac installation happens using homebrew and below are the commands to be executed in order to install the jenkins

- Download the war file from the download page <https://www.jenkins.io/download/>
- **Windows** →
  - Navigate to the path where the jenkins war file is available
  - Open the command prompt and enter the command → `java -jar jenkins.war`
- **Mac** → Install the latest LTS version: `brew install jenkins-lts` if it installs properly you will get the below password on default port number 8080
  - You need to start using this password in `https://localhost:8080/`



```
aravindbalaji — java -jar /opt/homebrew/opt/jenkins-lts/libexec/jenkins.war --httpPort=9090 -158x42
2024-12-08 20:53:18.605+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: jetty-12.0.13; built: 2024-09-03T03:04:05.240Z; git: 816018a420329c1c
2024-12-08 20:53:18.836+0000 [id=1] INFO o.e.j.e.w.StandardDescriptorProcessor#visitServlet: NO JSP Support for /, did not find org.eclipse.jetty.ee9.j
sp.JettyJspServlet
2024-12-08 20:53:18.859+0000 [id=1] INFO o.e.j.s.DefaultSessionIdManager#doStart: Session workerName=node0
2024-12-08 20:53:19.077+0000 [id=1] INFO hudson.WebAppMain#contextInitialized: Jenkins home directory: /Users/aravindbalaji/.jenkins found at: $user.ho
me/.jenkins
2024-12-08 20:53:19.532+0000 [id=1] INFO o.e.j.s.handler.ContextHandler#doStart: Started oeje9n.ContextHandler$CoreContextHandler@3c1e3314{Jenkins v2.4
79.2,/,b=file:///Users/aravindbalaji/.jenkins/war/,a=AVAILABLE,h=oeje9n.ContextHandler$CoreContextHandler$CoreToNestedHandler@4b770e40{STARTED}}
2024-12-08 20:53:19.539+0000 [id=1] INFO o.e.j.server.AbstractConnector#doStart: Started ServerConnector@858cd06cb{HTTP/1.1, (http/1.1)}{0.0.0.0:9090}
2024-12-08 20:53:19.551+0000 [id=1] INFO org.eclipse.jetty.server.Server#doStart: Started oejs.Server@13e39c73{STARTING}[12.0.13,sto=0] @1342ms
2024-12-08 20:53:19.551+0000 [id=40] INFO winstone.Logger#logInternal: Winstone Servlet Engine running: controlPort=disabled
2024-12-08 20:53:19.647+0000 [id=49] INFO jenkins.InitReactorRunner$1#onAttained: Started initialization
2024-12-08 20:53:19.651+0000 [id=57] INFO jenkins.InitReactorRunner$1#onAttained: Listed all plugins
2024-12-08 20:53:19.985+0000 [id=59] INFO jenkins.InitReactorRunner$1#onAttained: Prepared all plugins
2024-12-08 20:53:19.987+0000 [id=59] INFO jenkins.InitReactorRunner$1#onAttained: Started all plugins
2024-12-08 20:53:19.987+0000 [id=54] INFO jenkins.InitReactorRunner$1#onAttained: Augmented all extensions
2024-12-08 20:53:20.074+0000 [id=50] INFO jenkins.InitReactorRunner$1#onAttained: System config loaded
2024-12-08 20:53:20.075+0000 [id=47] INFO jenkins.InitReactorRunner$1#onAttained: System config adapted
2024-12-08 20:53:20.075+0000 [id=47] INFO jenkins.InitReactorRunner$1#onAttained: Loaded all jobs
2024-12-08 20:53:20.076+0000 [id=47] INFO jenkins.InitReactorRunner$1#onAttained: Configuration for all jobs updated
2024-12-08 20:53:20.085+0000 [id=75] INFO hudson.util.Retrier#start: Attempt #1 to do the action check updates server
2024-12-08 20:53:20.321+0000 [id=54] INFO jenkins.install.SetupWizard#init:

*****
*****
*****
*****

Jenkins initial setup is required. An admin user has been created and a password generated.
Please use the following password to proceed to installation:

8406da2d7966427088c6fb10266ac212

This may also be found at: /Users/aravindbalaji/.jenkins/secrets/initialAdminPassword

*****
*****
*****
*****

2024-12-08 20:53:23.741+0000 [id=54] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization
2024-12-08 20:53:23.756+0000 [id=39] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully up and running
2024-12-08 20:53:25.349+0000 [id=75] INFO h.m.DownloadService$Downloadable#load: Obtained the updated data file for hudson.tasks.Maven.MavenInstaller
```

- **MAC** commands →
  - Start the Jenkins service: `brew services start jenkins-lts`
  - Restart the Jenkins service: `brew services restart jenkins-lts`
  - Update the Jenkins version: `brew upgrade jenkins-lts`
- **Windows** →

<sup>1</sup> Author - Aravind

- Open the terminal to start Jenkins → `java -jar jenkins.war`

The above commands run jenkins on default port 8080 if it does not work use the below command to run in other ports number with below command,

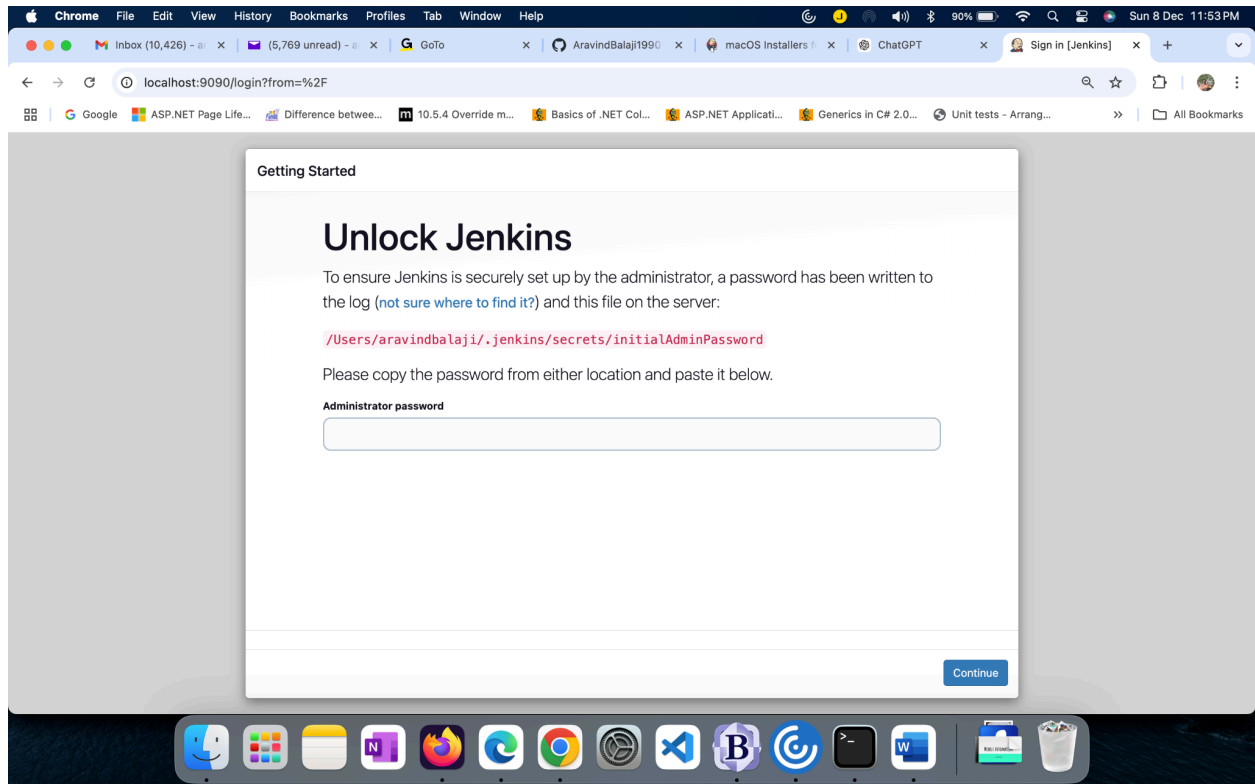
MAC:

```
/opt/homebrew/opt/openjdk@21/bin/java -jar  
/opt/homebrew/opt/jenkins-lts/libexec/jenkins.war --httpPort=9090
```

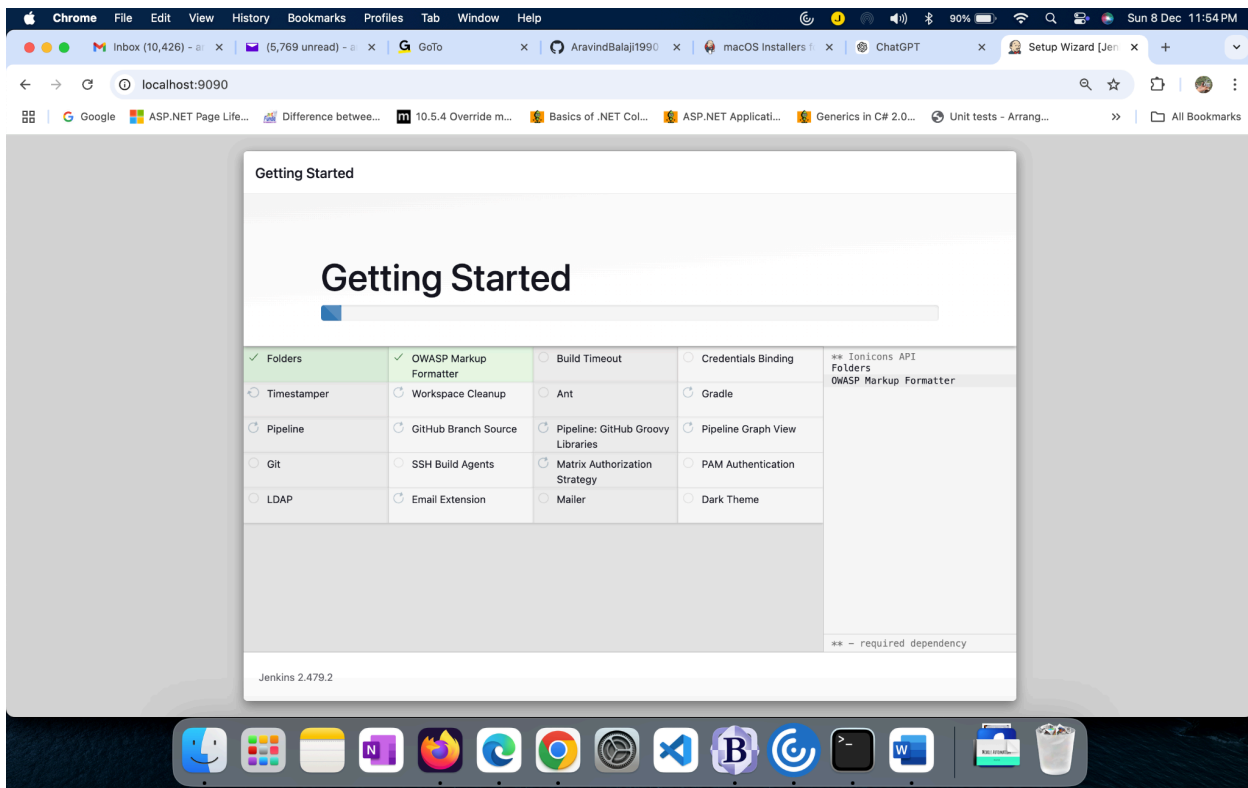
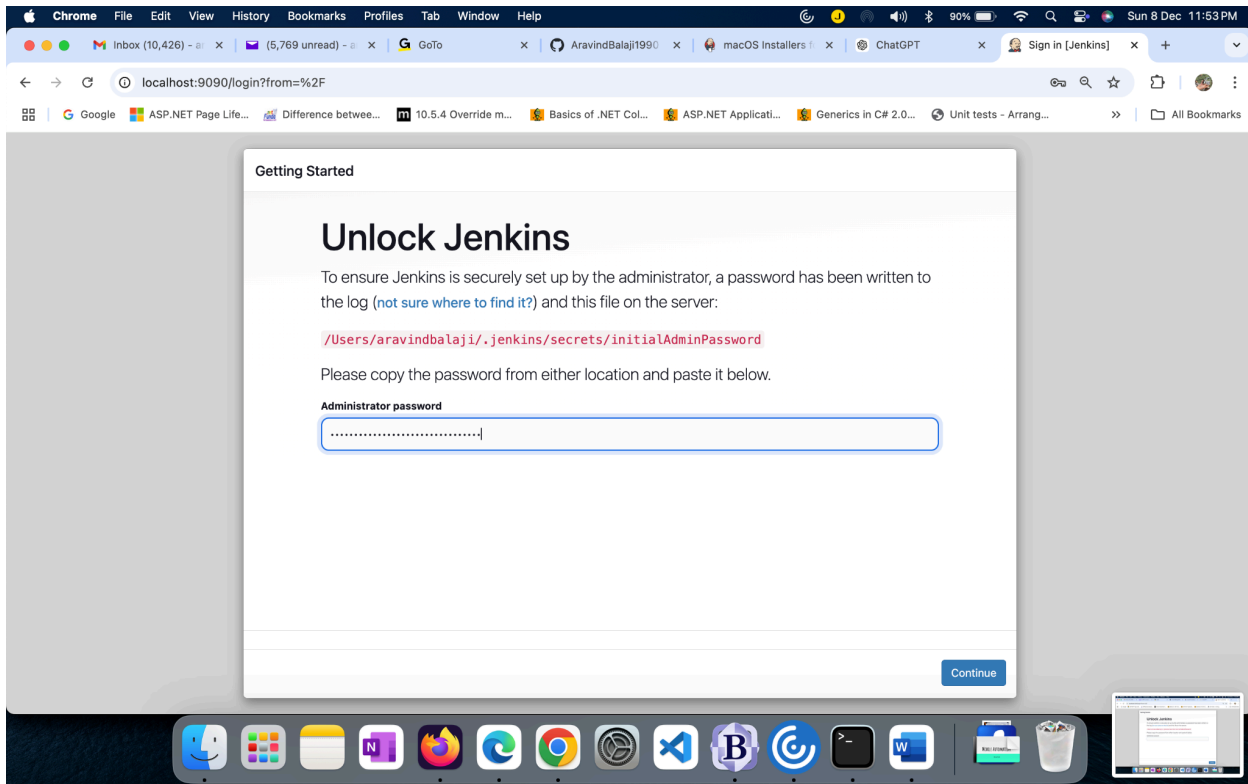
Windows:

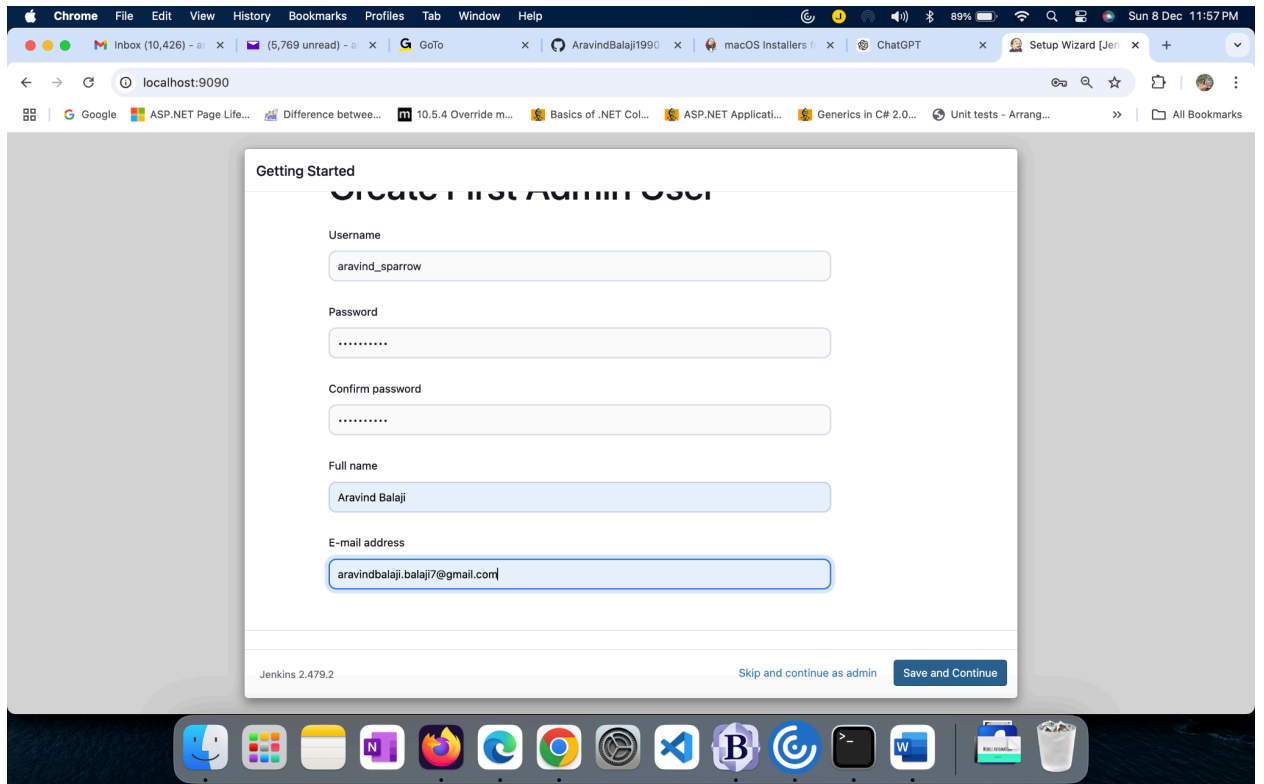
```
java -jar jenkins.war --httpPort=9090
```

Now you need to run open the jenkins using <https://localhost:9090> and setup as below screenshot

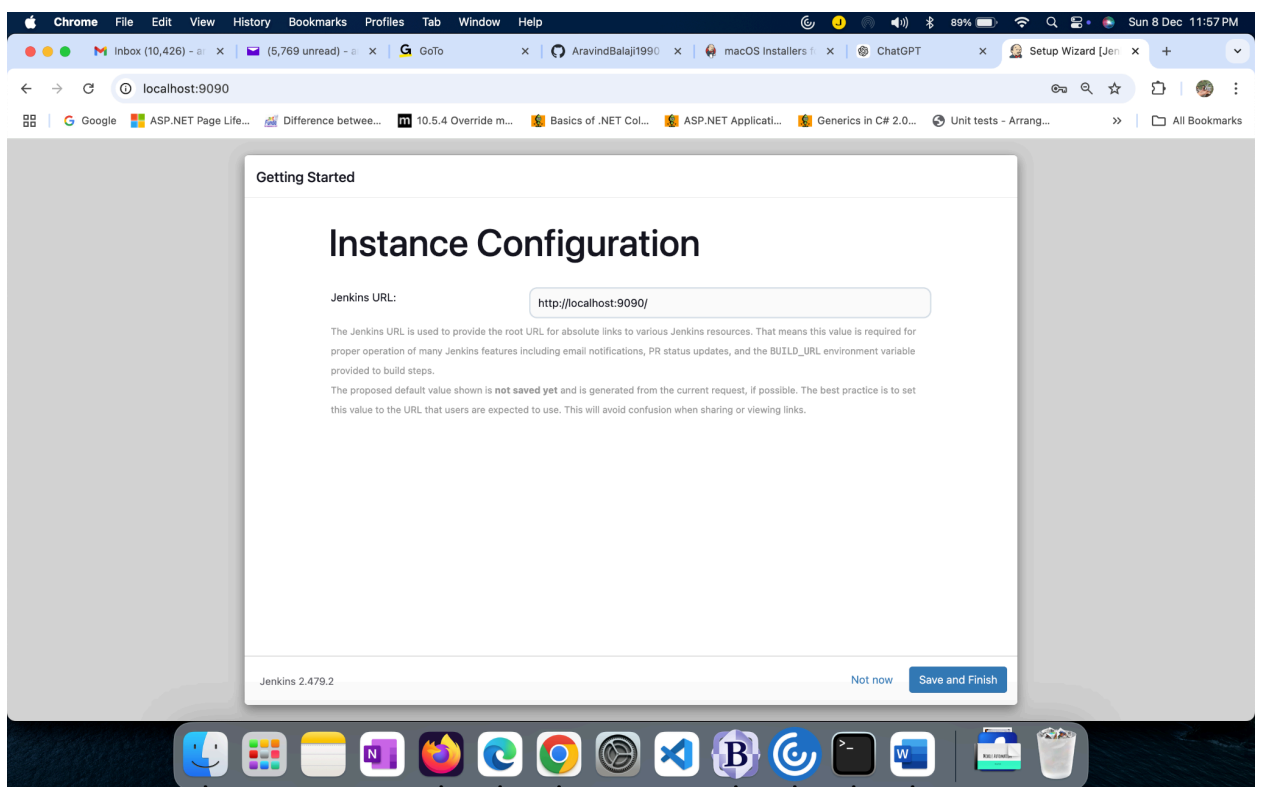


2





3



How to run appium in jenkins ?

<http://localhost:9090/login?from=%2F>

Pre-requisite:

1. Install plugins by visiting Dashbaord→ Manage Jenkins→ Plugins→Available plugins→ [Maven Integration plugin Version](#), Pipeline Maven PLugin API , Nodejs

Steps to create a job:

1. Create a freestyle project with any name
2. Configure the git hub with username/password
3. Configure build <sup>4</sup>steps as below steps,

---

<sup>4</sup> Author - Aravind

## Build Steps

### ≡ Invoke top-level Maven targets ?

#### Goals

clean test

Advanced ▾

### ≡ Execute NodeJS script ?

#### NodeJS Installation

Specify nodejs installation where npm installed packages to execute the script

Nodejs ▾

#### Script

See [the list of available environment variables](#) accessible by process.env.ENV\_VARIABLE.

appium --address 127.0.0.1 --port 4723

#### npmrc file

- use system default - ▾

#### Cache location

Default (~/.npm or %APP\_DATA%\npm-cache) ▾

Add build step ▾