**DevOps for The Boss**

**Ubuntu :**

1. **Install MongoDB -** <https://docs.mongodb.com/manual/tutorial/install-mongodb-on-ubuntu/>.
2. **Install NodeJS -** **sudo apt-get update**  
    **sudo apt-get install nodejs  
    sudo apt-get install npm**
3. **Install Protractor** - Use to install Protractor globally with:

**sudo npm install -g protractor**

This installs two command line tools - “protractor” and “webdriver-manager”. Run the following command to ensure that Protractor has installed correctly:

$ **protractor --version**

We will use the webdriver-manager tool on the command line to run the Selenium server. Before running it for the first time update it:

$ **sudo webdriver-manager update**

After the update is complete, start the Selenium server:

$ **sudo webdriver-manager start**

You can view the webserver in a web browser on the following local address:

<http://localhost:4444/wd/hub>

1. **Jenkins Installation -**

**wget -q -O - https://pkg.jenkins.io/debian/jenkins-ci.org.key | sudo apt-key add -**

**sudo sh -c 'echo deb http://pkg.jenkins.io/debian-stable binary/ > /etc/apt/sources.list.d/jenkins.list'**

**sudo apt-get update  
  
sudo apt-get install Jenkins  
  
Upgrade to later version on Jenkins  
  
sudo apt-get update  
  
sudo apt-get install Jenkins**

1. **Installing GIT – sudo apt-get update  
    sudo apt-get install git**