1. Start a google cloud vm, change the boot disc to Ubuntu 18.04 LTS, A higher memory processor is HIGHLY recommended (like n1-standard-16)
2. For the client-side install: RVM, Ruby, Rails gem, Bundler gem, node.js and yarn
   1. RVM: \curl -sSL https://get.rvm.io | bash

When RVM is done, there will be a message near the bottom: Run ‘source /home/**YOUR USERNAME HERE**/.rvm/scripts/rvm to load RVM’, copy the version on your VM

* 1. Ruby: rvm install ruby
  2. Rails: gem install rails
  3. Node.js: curl -o- https://raw.githubusercontent.com/creationix/nvm/v0.33.1/install.sh | bash

Copy the 2 lines underneath to load nvm

Run nvm install node

* 1. Yarn: curl -o- -L https://yarnpkg.com/install.sh | bash
  2. After everything is done, close and reopen the shell

1. To test if everything installed well:
   1. Rails new testapp
   2. Cd testapp
   3. Rails s
2. On the server-side, install: Nginx, Passenger:

sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 --recv-keys 561F9B9CAC40B2F7

sudo apt-get install -y apt-transport-https ca-certificates

sudo sh -c 'echo deb https://oss-binaries.phusionpassenger.com/apt/passenger bionic main > /etc/apt/sources.list.d/passenger.list'

sudo apt-get update

sudo apt-get install -y nginx-extras libnginx-mod-http-passenger

if [ ! -f /etc/nginx/modules-enabled/50-mod-http-passenger.conf ]; then sudo ln -s /usr/share/nginx/modules-available/mod-http-passenger.load /etc/nginx/modules-enabled/50-mod-http-passenger.conf ; fi

sudo ls /etc/nginx/conf.d/mod-http-passenger.conf

1. To test nginx now: sudo service nginx start
2. Nginx config:
   1. To find the root directory of ruby, for use with nginx: passenger-config about ruby-command. The root can be found following “passenger-config was invoked through the following Ruby interpreter: Command: “
   2. Copy the directory, and then type sudo nano /etc/nginx/conf.d/mod-http-passenger.conf
   3. Paste the directory after “passenger\_ruby”
   4. Now edit default configs: sudo nano /etc/nginx/sites-available/default
   5. Under server\_name, add 2 lines

passenger\_enabled on;

passenger\_app\_env production;

* 1. Change root to your rails directory “/home/**username**/testapp/public”