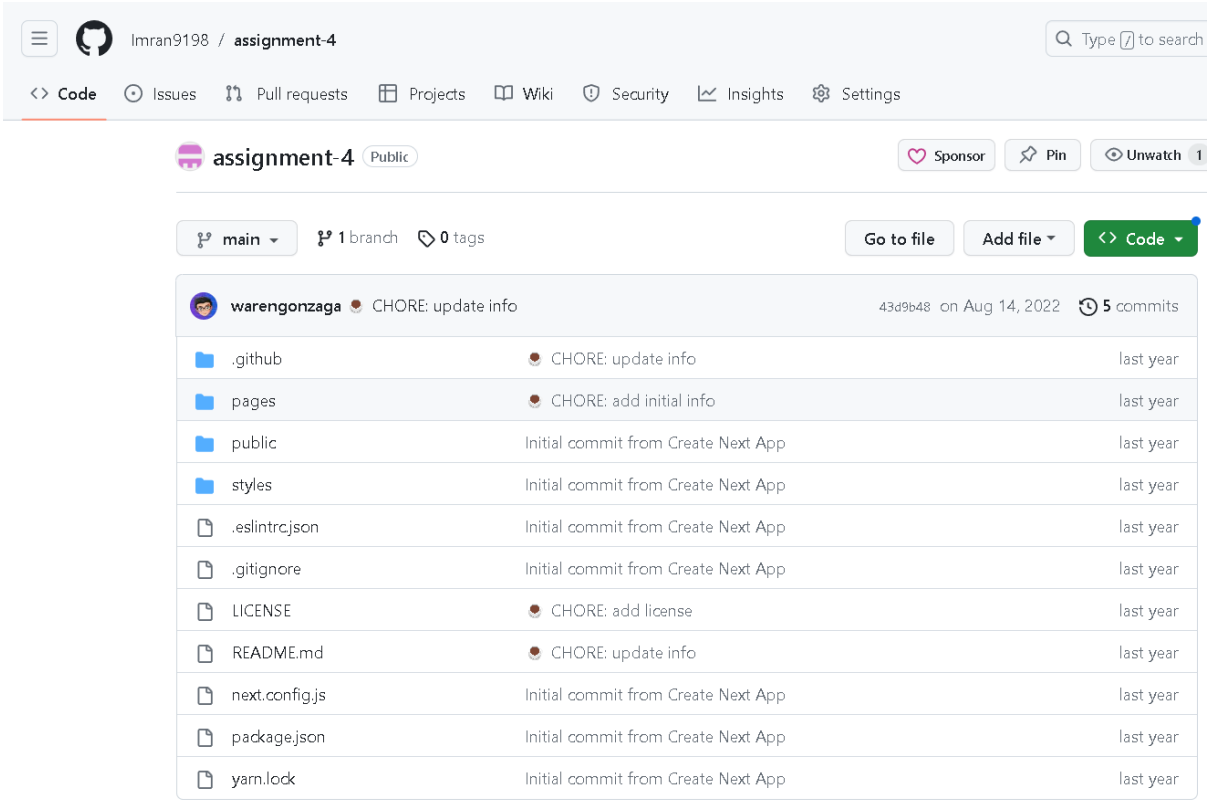
Assignment for Cloud Engineer

1. Find a publicly available sample frontend application (e.g., Next.js or Vue.js), host it on an AWS EC2 instance (Linux OS), and set up a reverse proxy using a web server (Nginx or Apache). No backend is needed for this task.
2. Create a README file in GIT repository detailing the steps you took to complete this task with screen shots.

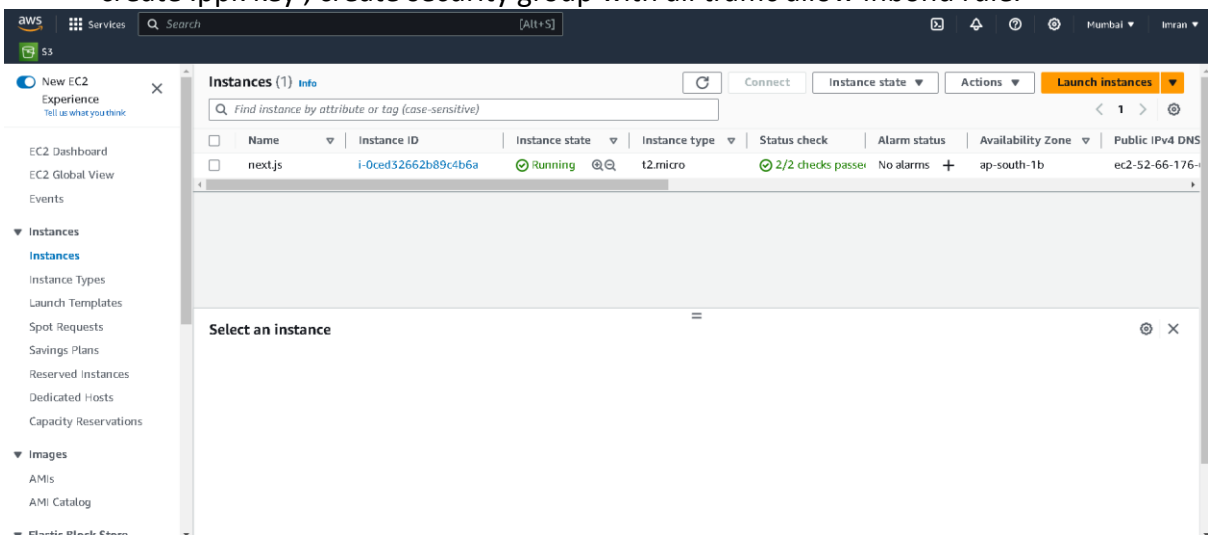
   Note – You can submit whatever progress you have made at the end of 3 days from the date of receiving this assignment. Completing this assignment increases your chances of getting hired.

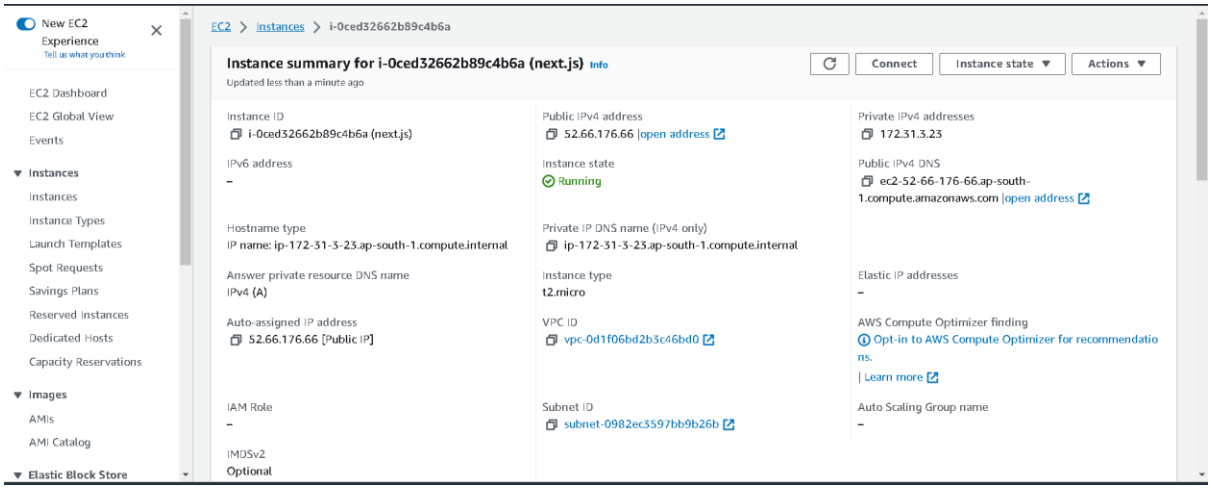
Assignments1

- Copy git repository

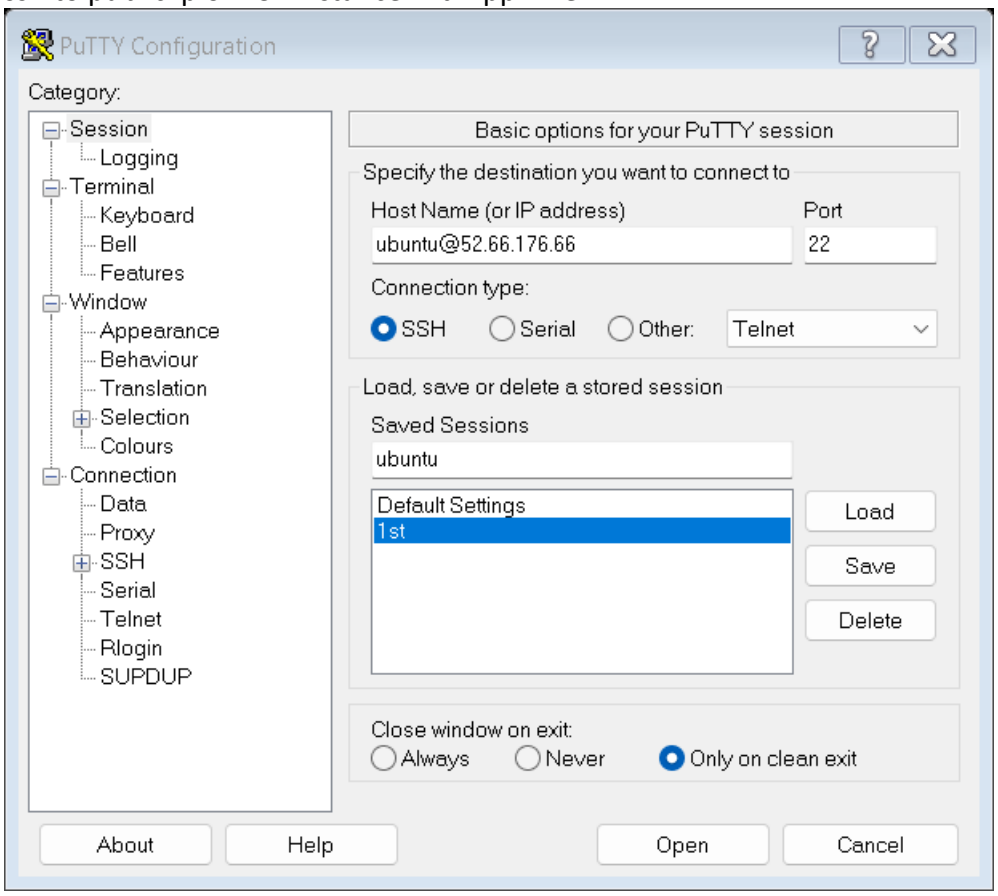


- Create EC2 instance on aws portal
- select Ubuntu 22.04 LTS OS ,t2 micro,with default vpc
- create .ppk key , create security group with all traffic allow inbond rule.



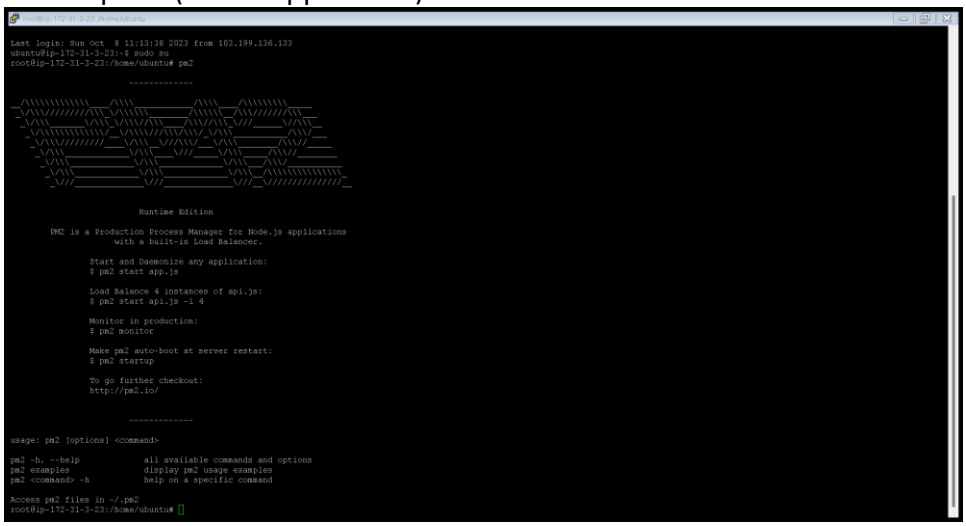


- ssh to public ip of EC2 instance with .ppk file



- sudo apt update (to ensure your instance has the latest updates.)
- curl -sL https://deb.nodesource.com/setup_16.x | sudo -E bash – (copy file from web site)
- sudo apt-get install -y nodejs (install nodejs)
- node –v (check nodejs version)
- git clone https://github.com/Imran9198/assignment-4.git (Clone your Nextjs App from GitHub)
- cd sample-nextjs-app/ (change directory application)
- npm install (Install required node modules)
- npm run build (to make application ready)
- sudo npm install pm2 –g (Install PM2 using the below command)

- pm2 (to run application)



- pm2 start npm --name nextjs-app -- run start -- -p 3000 (Execute the below code to run Next.js with PM2 (**security group should allow HTTP on port 3000**))

- copy instance public ip and add port no. 3000

  http://52.66.176.66:3000/

Welcome to Sample Next.js App!

by Waren Gonzaga