**Deployment in Node.js using Nginx server on Ubuntu Instance**

$ sudo apt update

$ sudo apt install nodejs npm

$ clone the Git Repo (git clone give git repo)

$ cd /repo

$ npm init –y

$ npm install socket.io express cors dotenv

$ sudo apt install nginx –y

$ sudo sysemctl start nginx

$ sudo systemctl enable nginx

$ sudo npm install –g pm2

$pm2 –v

$ cd /etc/nginx/sites-available

$ ls

vi /default server

{

listen 80;

server\_name yourdomain.com;

location / {

proxy\_pass http://localhost:3000;

proxy\_http\_version 1.1;

proxy\_set\_header Upgrade $http\_upgrade;

proxy\_set\_header Connection 'upgrade';

proxy\_set\_header Host $host;

proxy\_cache\_bypass $http\_upgrade;

}

# Optional: Serve static files directly by Nginx

# location /static {

# alias /path/to/your/static/files;

# }

$ sudo systemctl restart nginx

$ sudo su –

$ cd/repo

$ pm2 start npm --name “server” – start

$ pm2 logs

$ pm2 list

$ sudo systemctl restart nginx

$ cd /etc/nginx/sites-available

$ cd /etc/nginx/sites-enable

$ ls

**Certifying a website to https that deployed in the aws ec2**

In the terminal run the command to install the certbot if not exists

Using snap

$ sudo snap install core; sudo snap refresh core

$ sudo snap install --classic certbot

$ sudo ln -s /snap/bin/certbot /usr/bin/certbot

This command will create and install the certificate

$ sudo certbot –nginx

$ sudo systemctl restart nginx

$ sudo su –

$ pm2 list

$ pm2 logs

$ cd git repo

$ pm2 restart all

$ pm2 logs