Assignment-2: Cloud Project

IP: 13.51.158.197

DNS: https://elevateresume.online/

NAME: NILKANTH SEVAK

ID: 35489979

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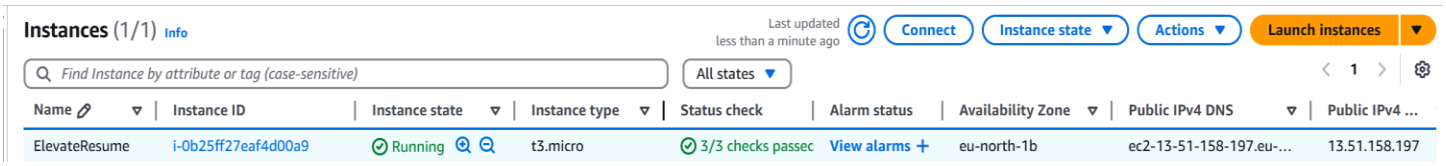
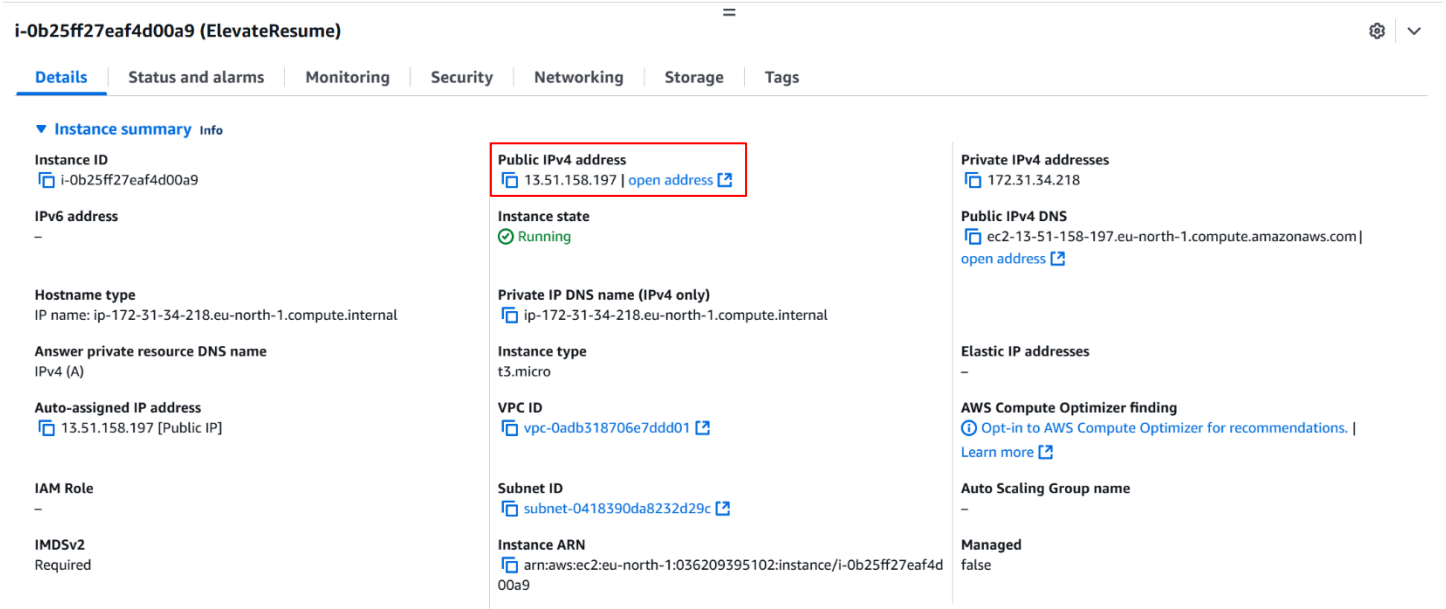
Setting up Web Server

1. Lunch Ubuntu based instance on Amazon EC2





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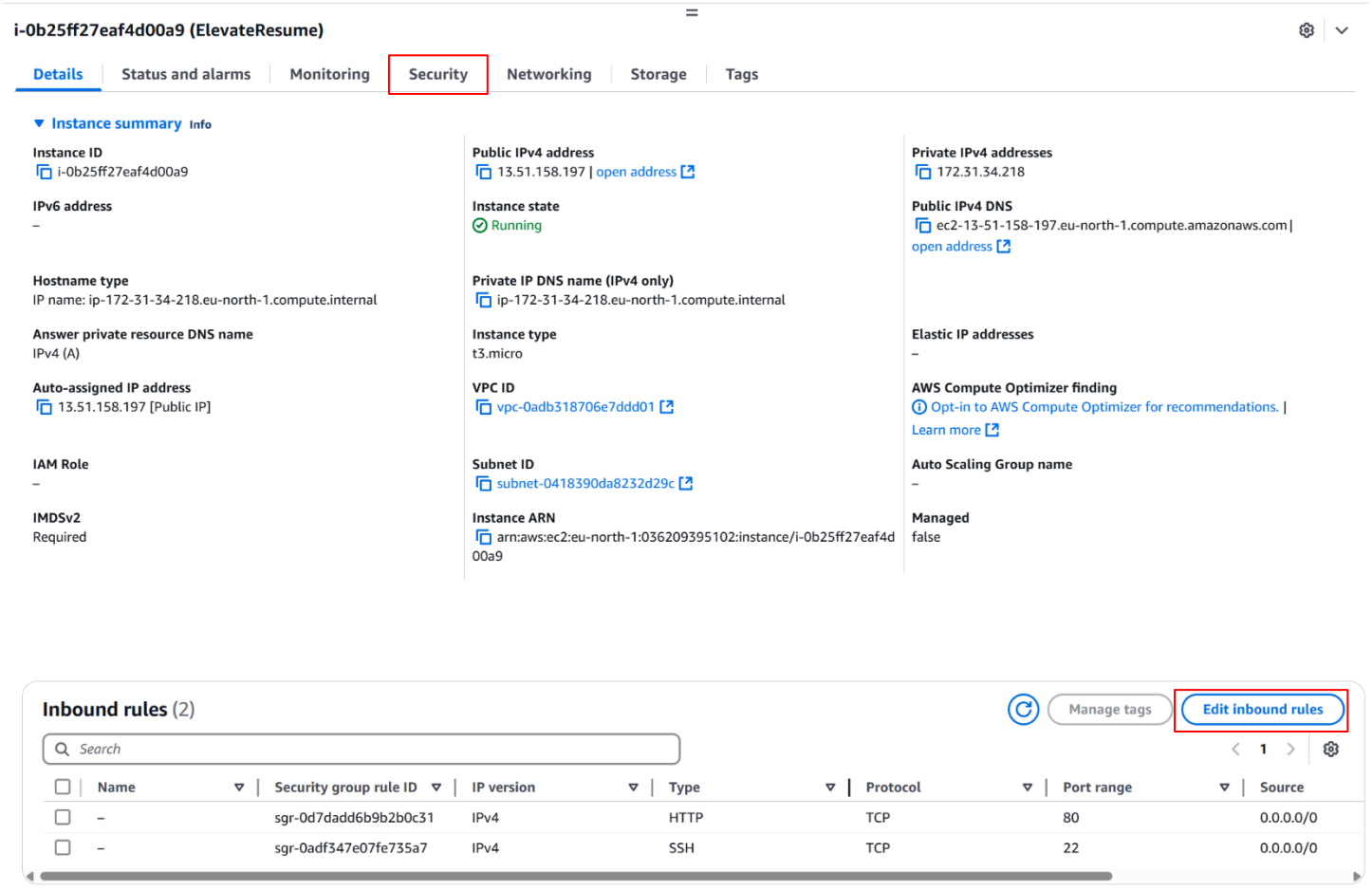
2. Go to security, edit Inbound Rules and allow port 22 and 80



3. Connect your instance to Ubuntu Terminal. You can use both EC2 Instance Connect and SSH Client. [EC2 Instance Connect helps you to connect without opening Ubuntu]

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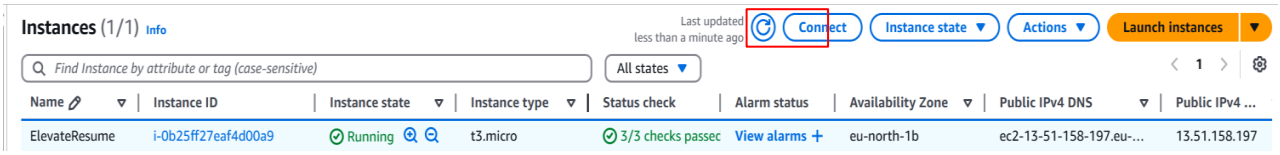
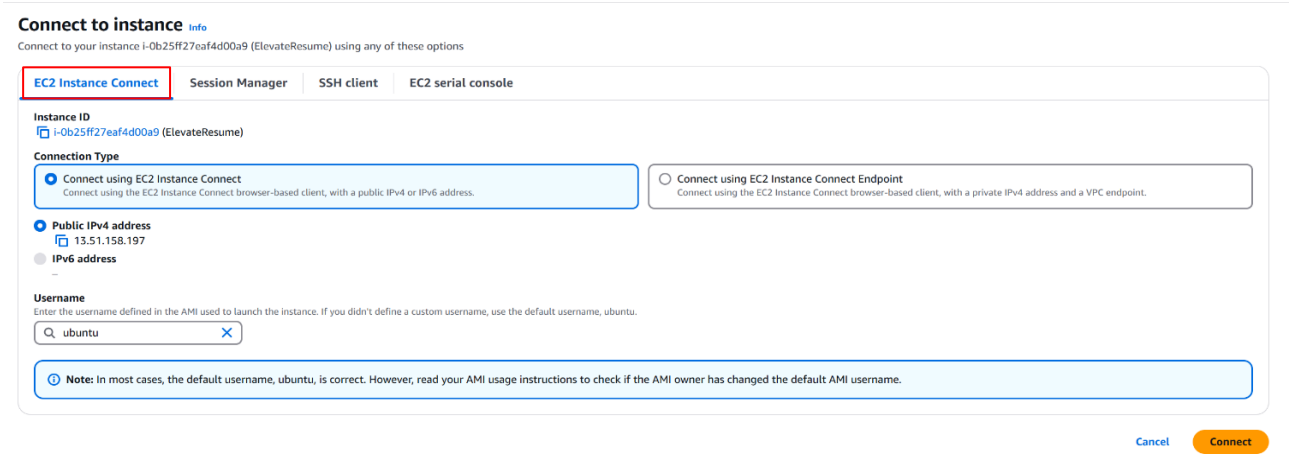
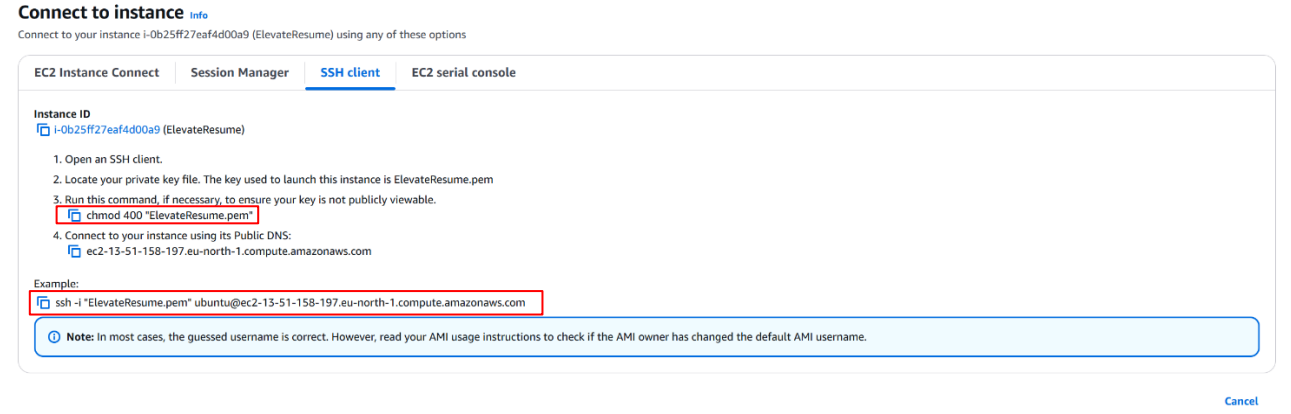
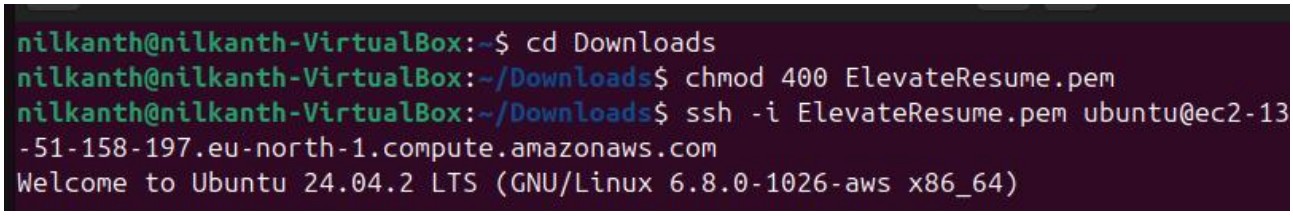

Instances (1/1) Info
Last updated less than a minute ago
Connect
Instance state
Actions
Launch instances
Find Instance by attribute or tag (case-sensitive)
All states
1
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
Public IPv4 ...
ElevateResume
i-0b25ff27eaf4d00a9
Running
t3.micro
3/3 checks passec
View alarms
eu-north-1b
ec2-13-51-158-197.eu-...
13.51.158.197


Connect to instance Info
Connect to your instance i-0b25ff27eaf4d00a9 (ElevateResume) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-0b25ff27eaf4d00a9 (ElevateResume)
Connection Type
Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 or IPv6 address.
Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.
Public IPv4 address
13.51.158.197
IPv6 address
Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ubuntu.
ubuntu
Note: In most cases, the default username, ubuntu, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.
Cancel
Connect


Connect to instance Info
Connect to your instance i-0b25ff27eaf4d00a9 (ElevateResume) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-0b25ff27eaf4d00a9 (ElevateResume)
1. Open an SSH client.
2. Locate your private key file. The key used to launch this instance is ElevateResume.pem
3. Run this command, if necessary, to ensure your key is not publicly viewable.
chmod 400 "ElevateResume.pem"
4. Connect to your instance using its Public DNS:
ec2-13-51-158-197.eu-north-1.compute.amazonaws.com
Example:
ssh -i "ElevateResume.pem" ubuntu@ec2-13-51-158-197.eu-north-1.compute.amazonaws.com
Note: In most cases, the guessed username is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.
Cancel


nilkanth@nilkanth-VirtualBox:~$ cd Downloads
nilkanth@nilkanth-VirtualBox:~/Downloads$ chmod 400 ElevateResume.pem
nilkanth@nilkanth-VirtualBox:~/Downloads$ ssh -i ElevateResume.pem ubuntu@ec2-13
-51-158-197.eu-north-1.compute.amazonaws.com
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-1026-aws x86_64)

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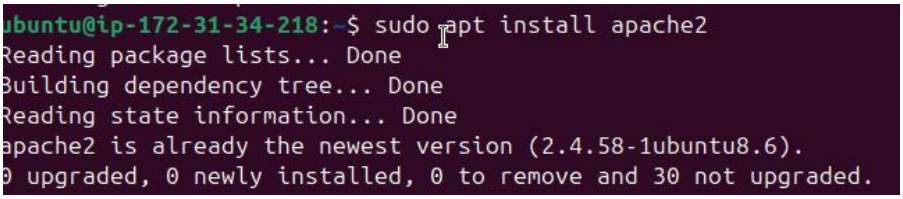
4. Download Apache2 page to check whether your IP is working or not



sudo apt install apache2

sudo apt-get update

sudo su

sudo systemctl status apache2

sudo ss -lntp

telnet localhost [Port No.]

sudo snap install --classic certbot

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

```
sudo certbot –apache
```

Codes for SSL/TLS Certificate

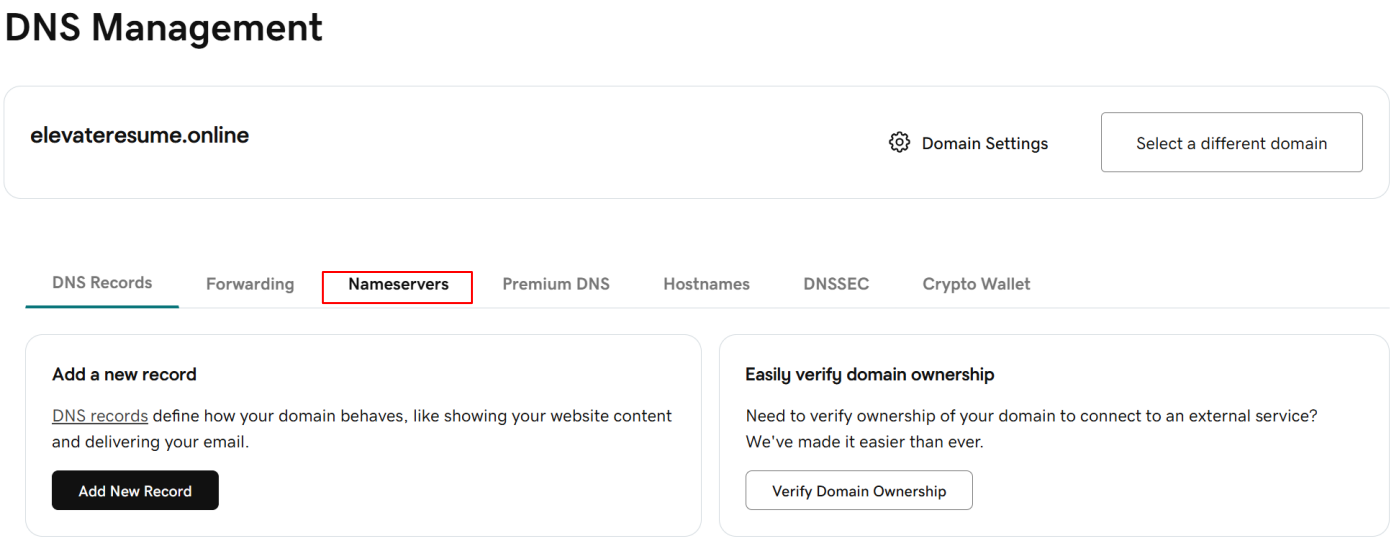
```
sudo snap install --classic certbot
```

```
sudo ln -s /snap/bin/certbot
```

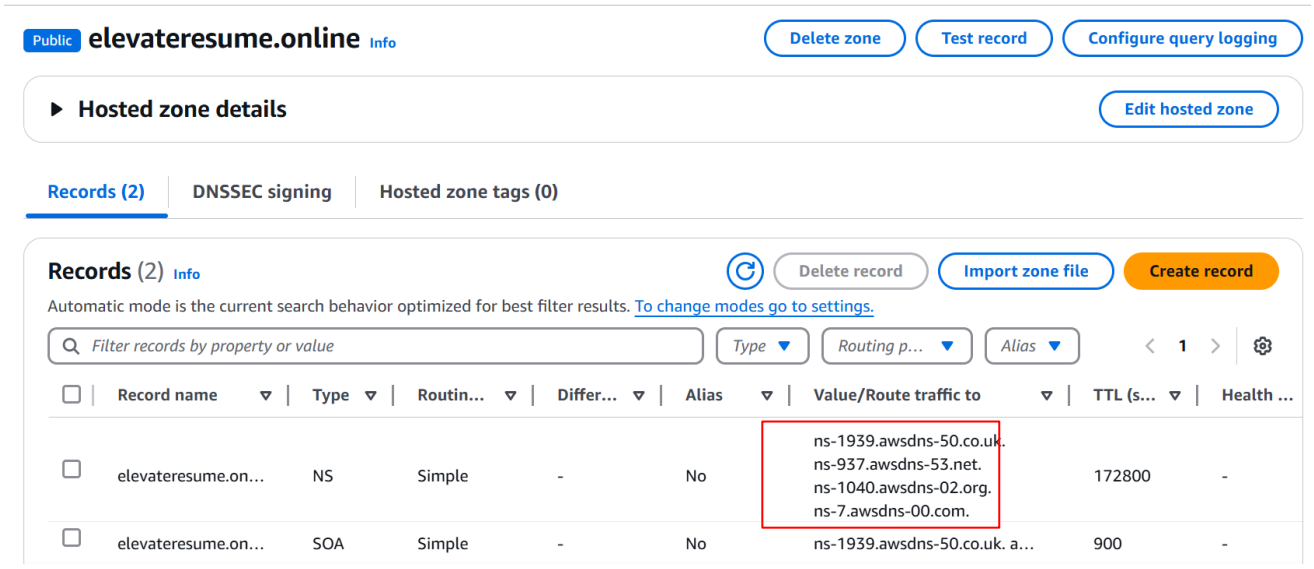
```
sudo certbot –apach
```

Connection Domain To IP

1) Change your Nameserver in Godaddy to connect website to your Instance IP.



2. Open route53 in your AWS and create a hosted zone



3. Create Record

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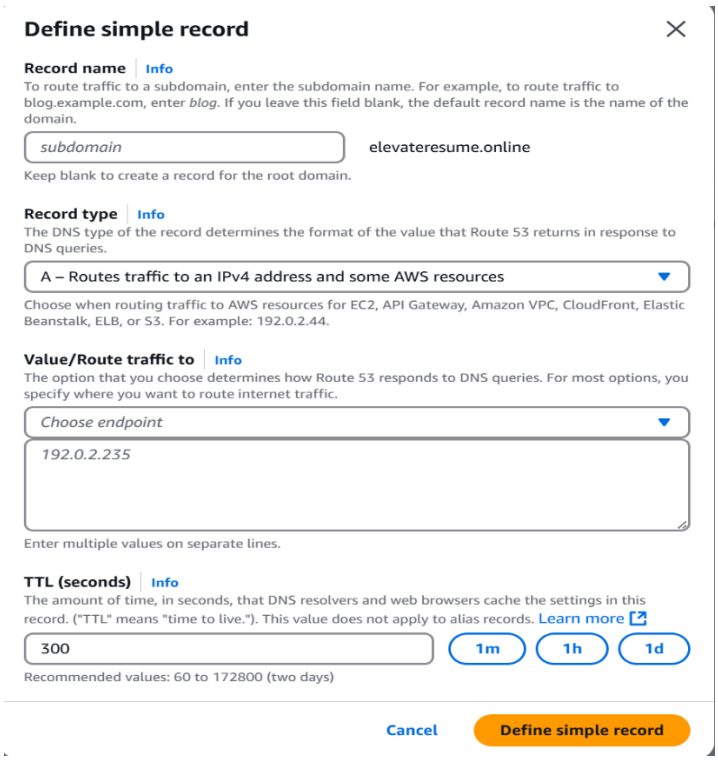
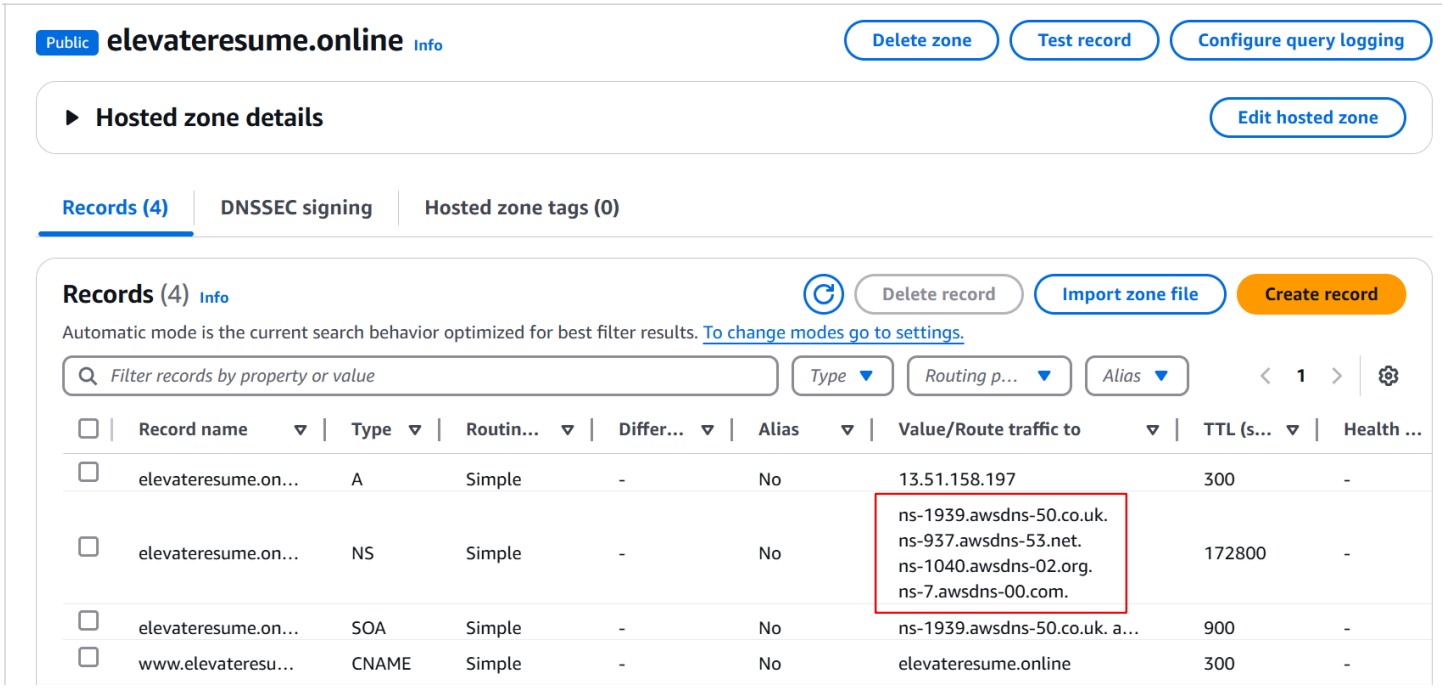
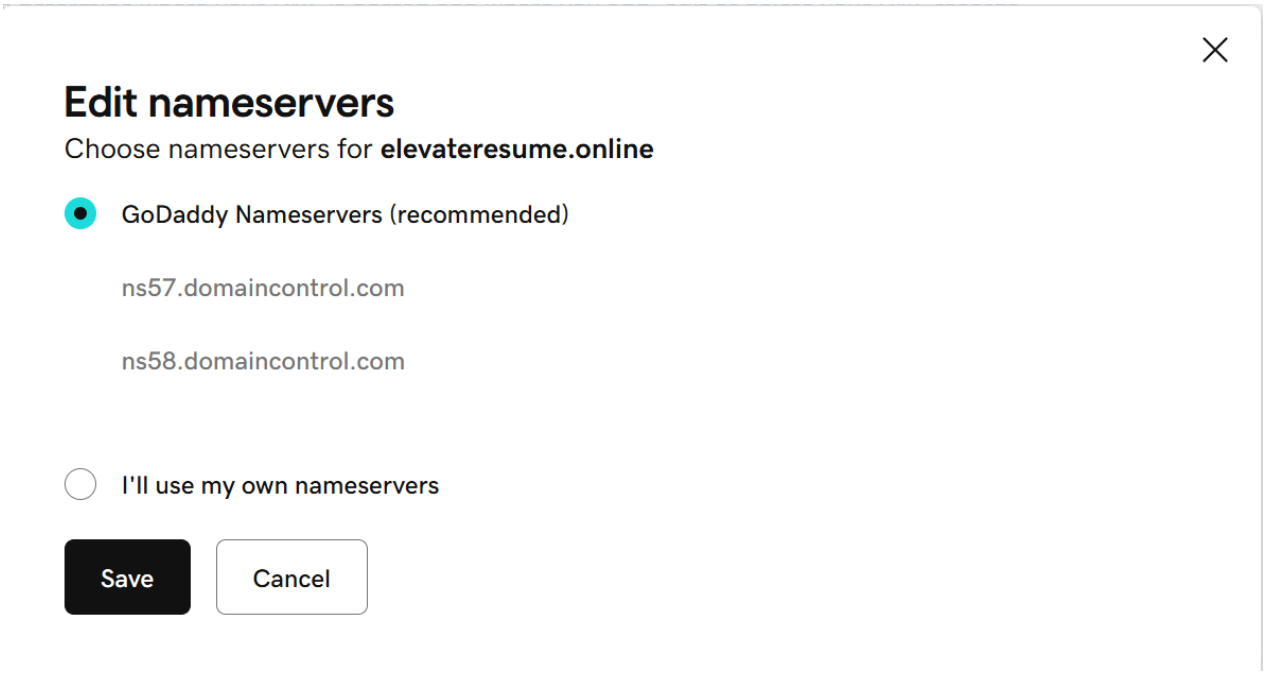


4. Copy this Type: NS value and paste it on the Nameservers





5. Choose I'll use my own Nameservers and paste here