Assignment-2: Cloud Project

IP: 13.51.158.197

DNS: https://elevateresume.online/

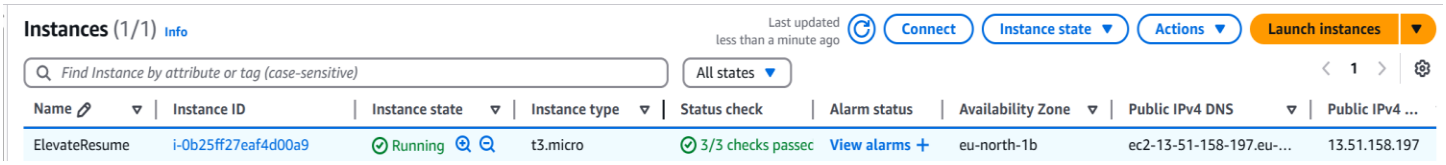
NAME: NILKANTH SEVAK

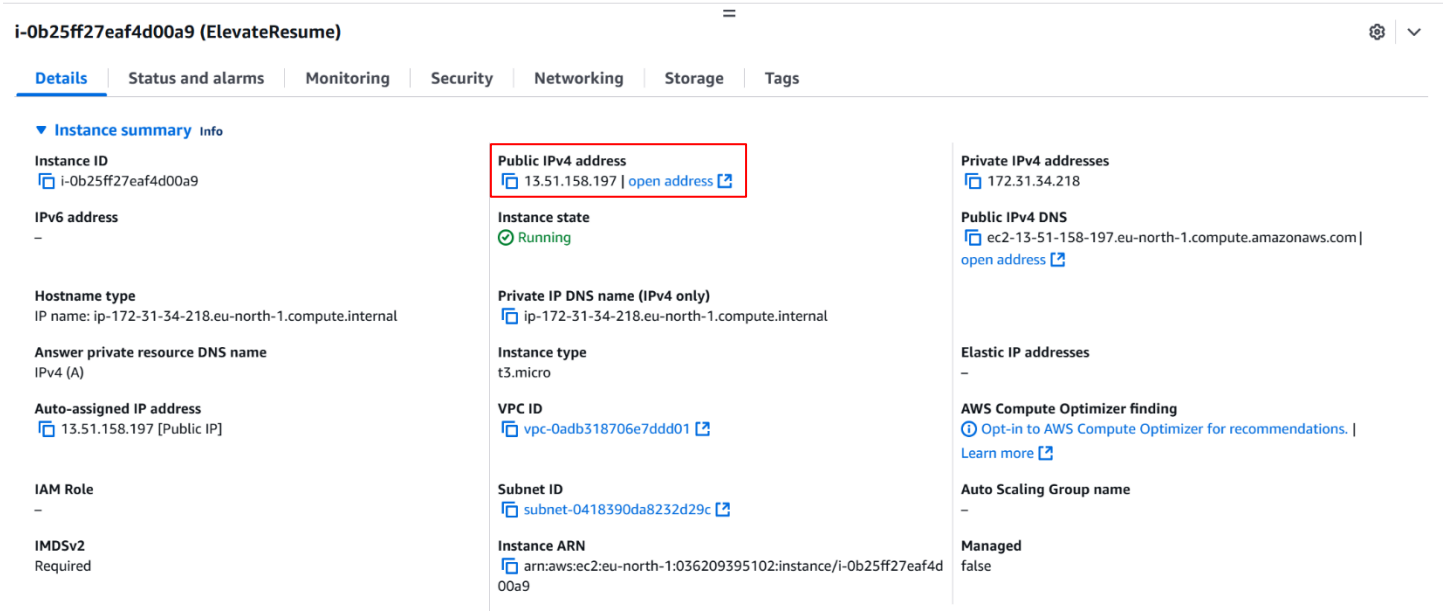
ID: 35489979

1

Setting up Web Server

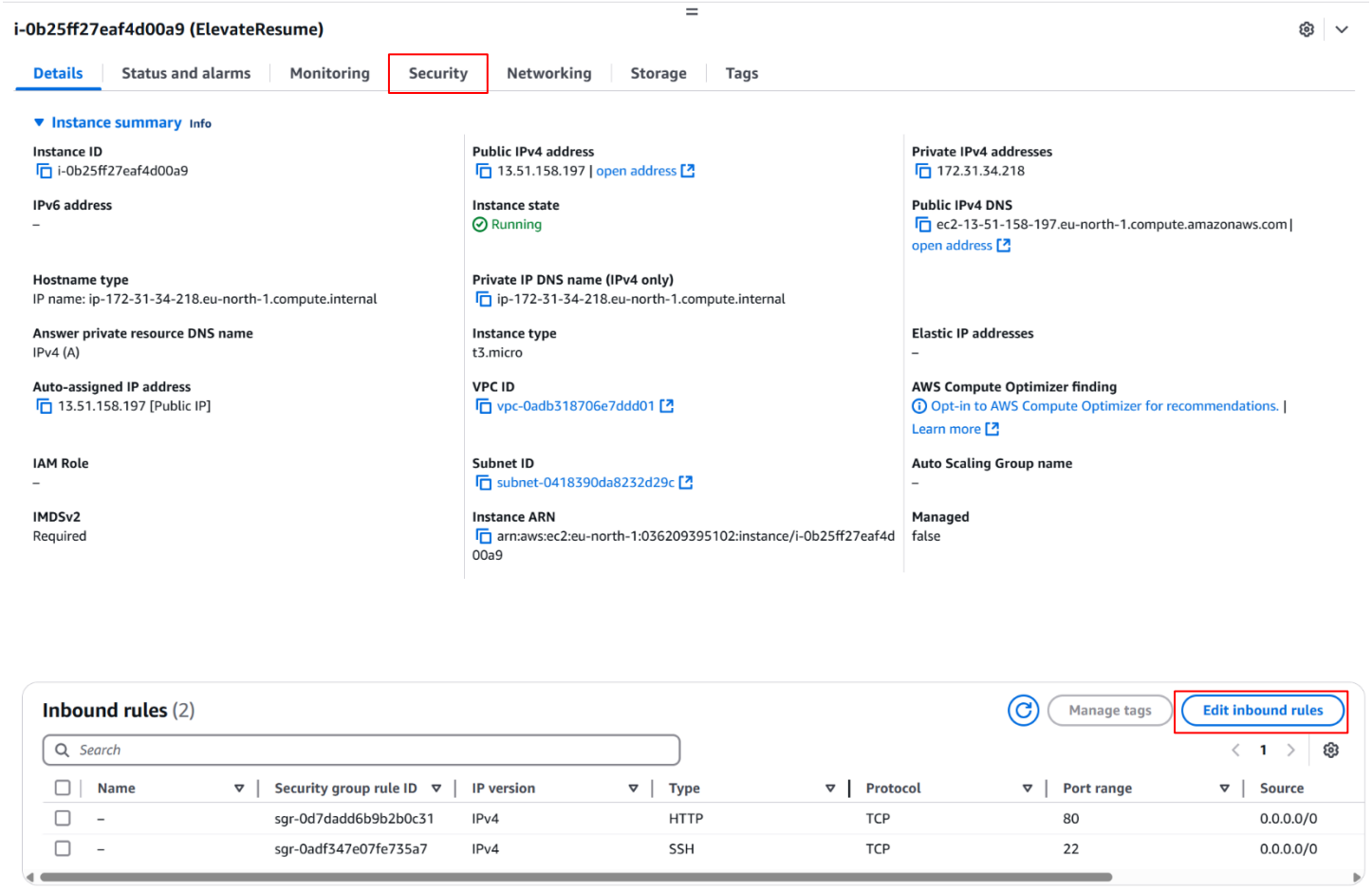
1. Lunch Ubuntu based instance on Amazon EC2



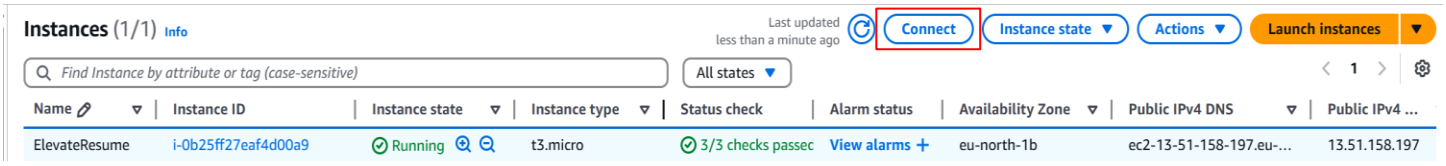


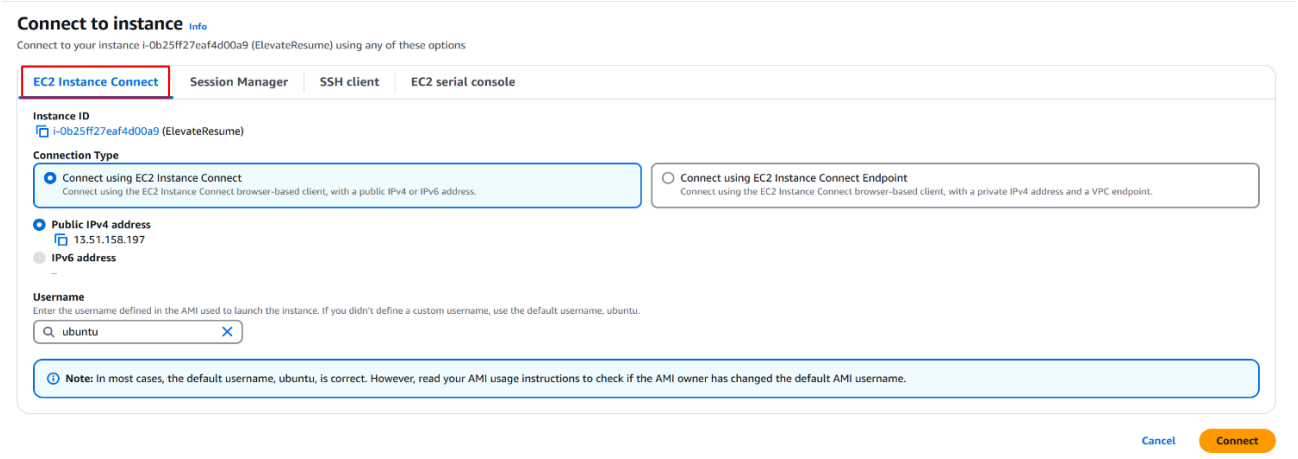
2

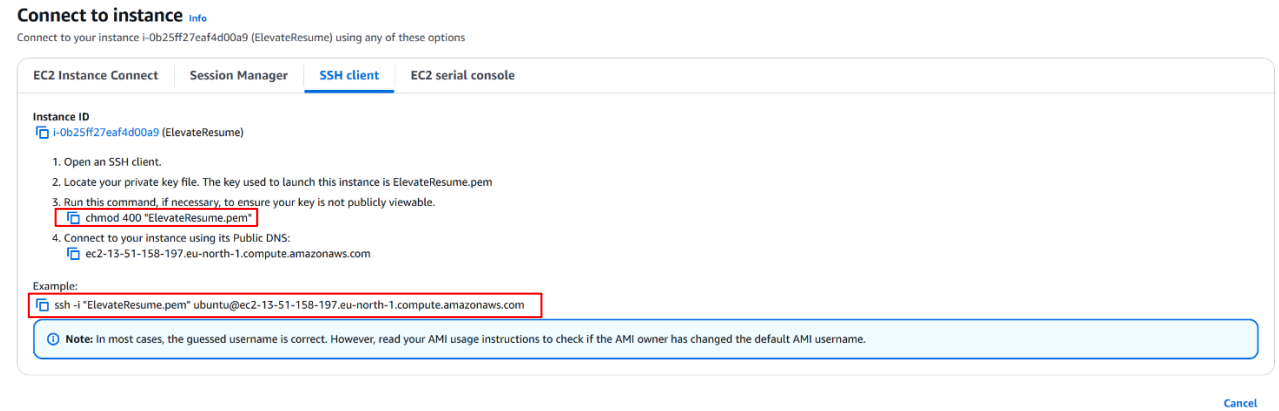
2. Go to security, edit Inbound Rules and allow port 22 and 80



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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```
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)
```

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

```
ubuntu@ip-172-31-34-218:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.58-1ubuntu8.6).
0 upgraded, 0 newly installed, 0 to remove and 30 not upgraded.
```

```
sudo apt install apache2
```

```
sudo apt-get update
```

```
sudo su
```

```
sudo systemctl status apache2
```

```
sudo ss -lntp
```

5

```
telnet localhost [Port No.]
```

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

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

```
sudo certbot –apache
```

Codes for SSL/TLS Certificate

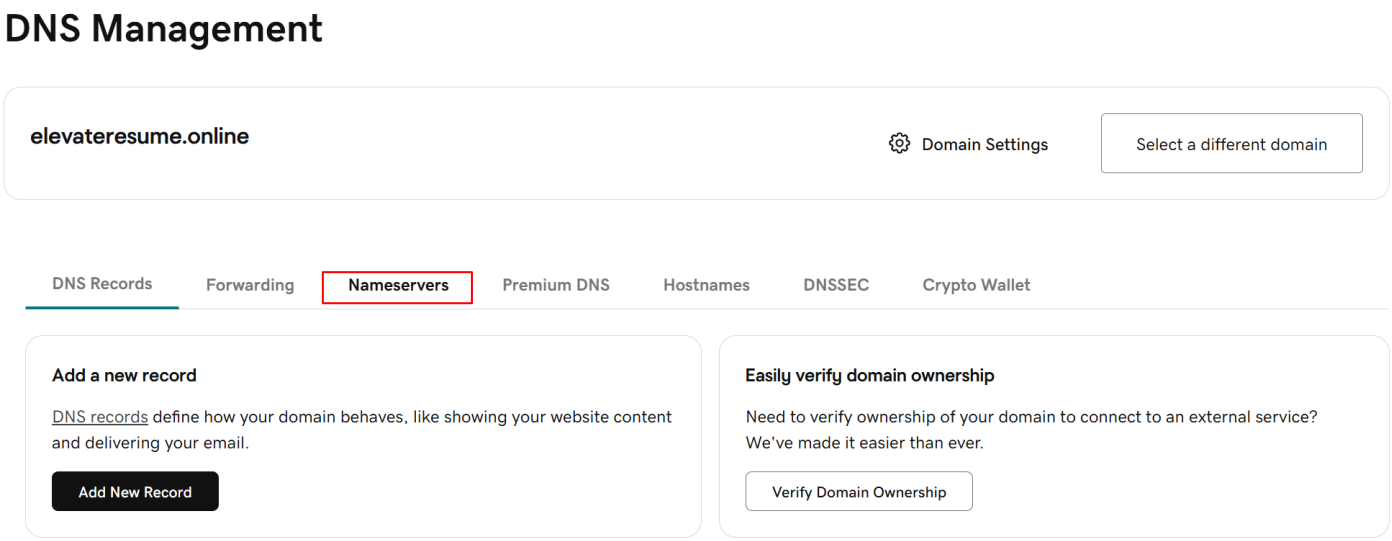
```
sudo snap install --classic certbot
```

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

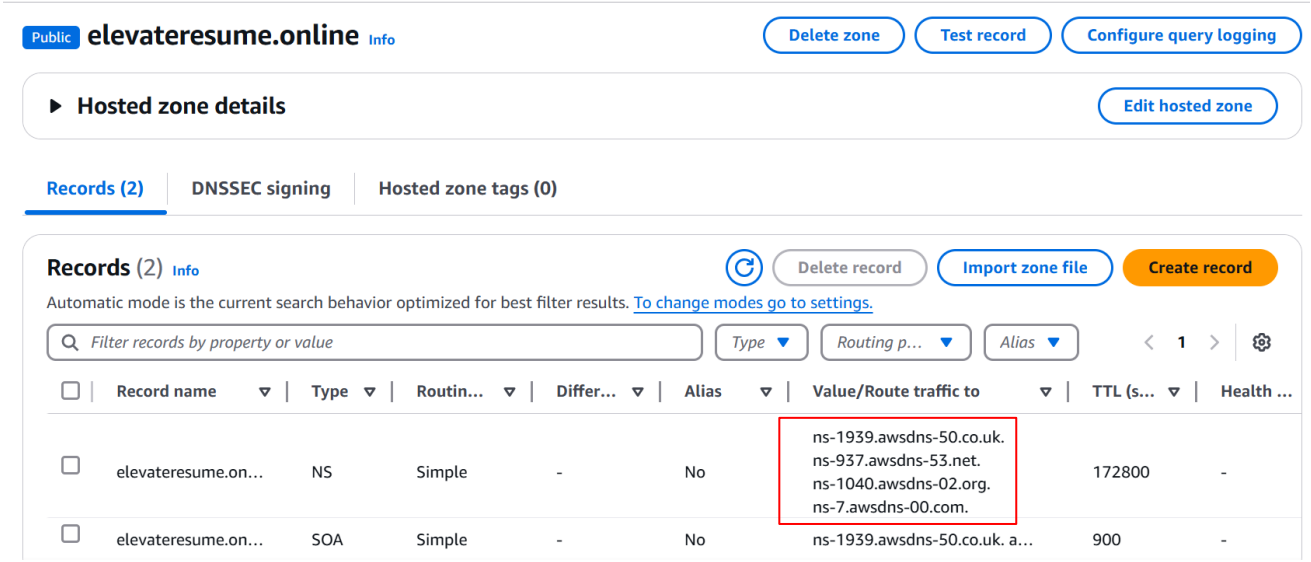
```
sudo certbot –apach
```

Connection Domain To IP

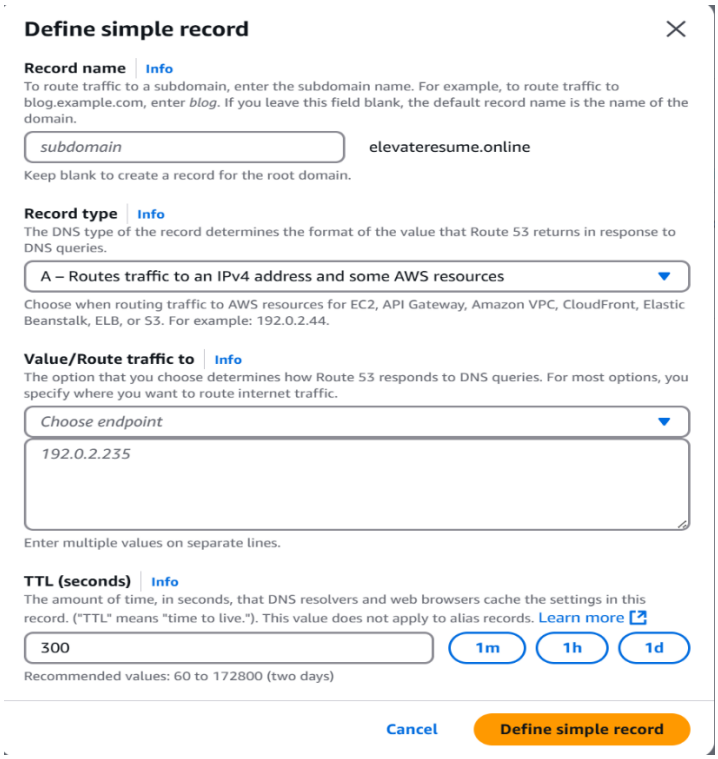
1) Change your Nameserver in Godaddy to connect website to your Instance IP.



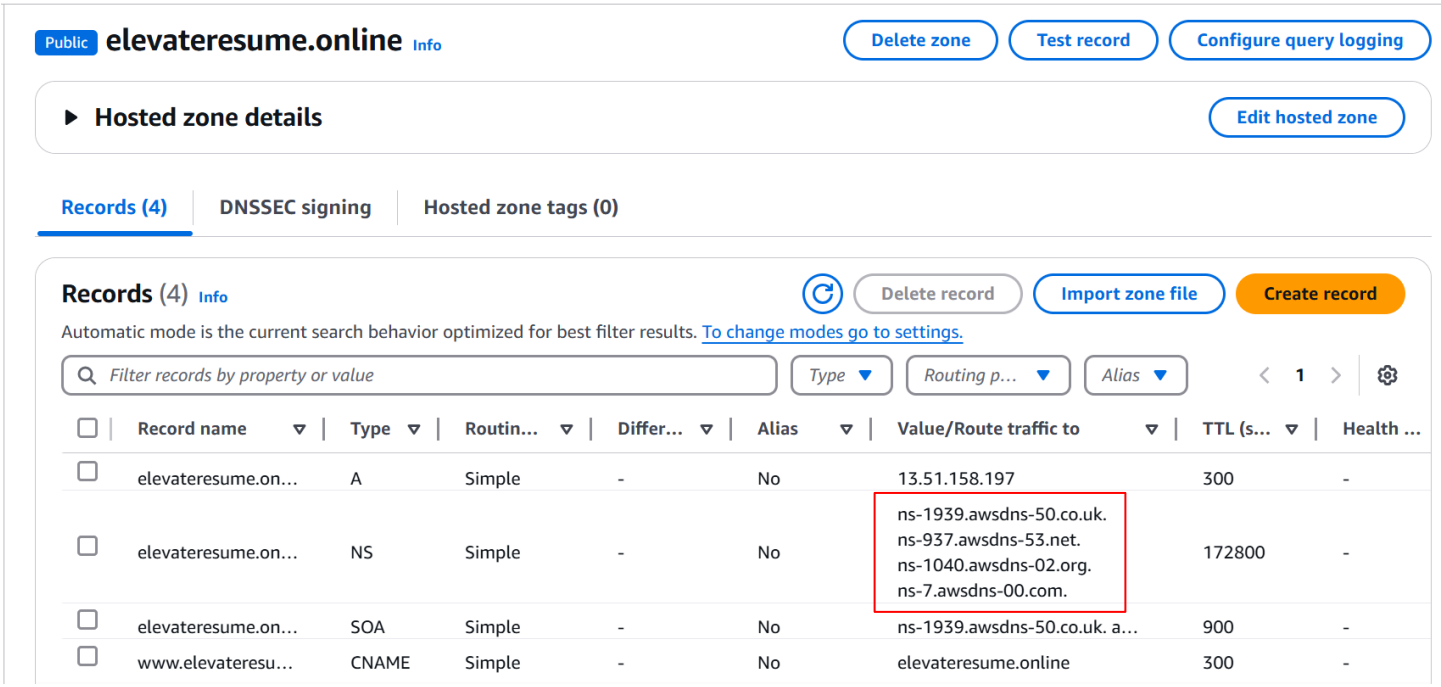
2. Open route53 in your AWS and create a hosted zone

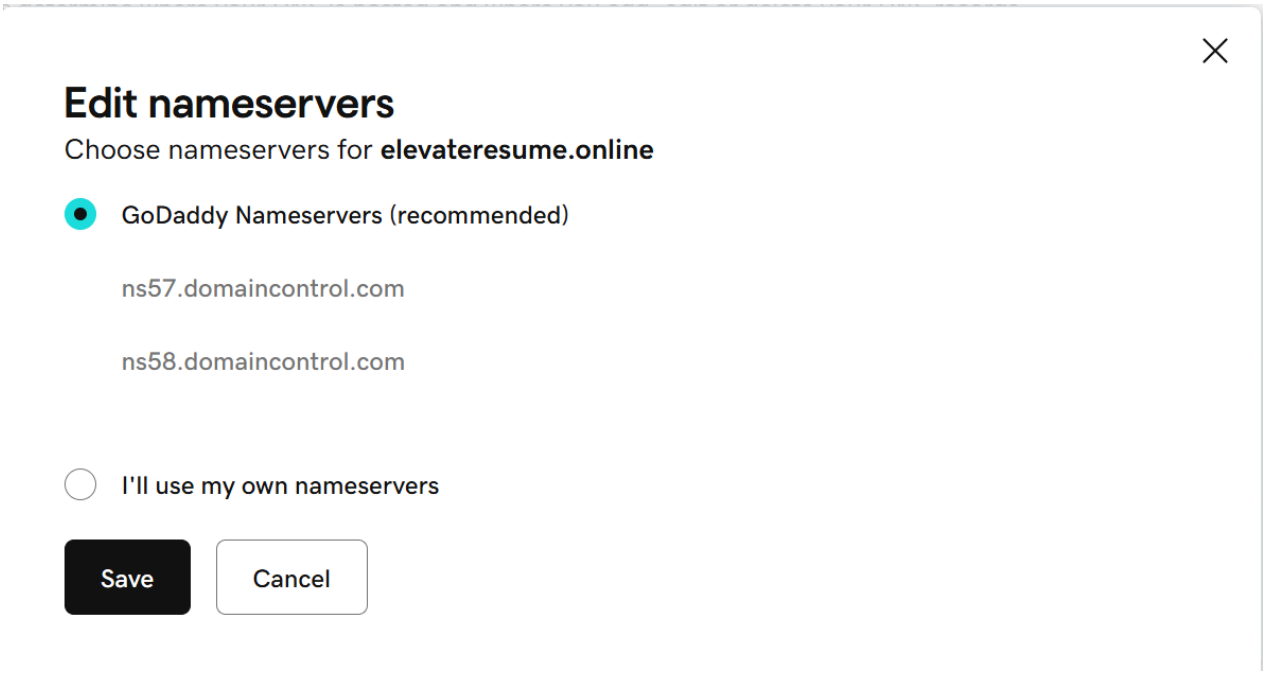


3. Create Record



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





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