# DEPLOY

Deployment Guide

1. SSH into EC2

ssh -i myissues-new-key.pem ec2-user@<EC2\_PUBLIC\_IP>

cd ~/MyissuesCharity

2. Ensure Services are Installed

sudo yum update -y

sudo yum install -y git nginx

curl -fsSL https://rpm.nodesource.com/setup\_18.x | sudo bash -

sudo yum install -y nodejs

sudo npm install -g pm2

3. Clone & Env Setup

git clone https://github.com/santic4/MyissuesCharity.git .

cp backend/.env backend/.env

nano backend/.env

echo "VITE\_API\_URL=" > frontend/.env

4. Database (Docker)

docker-compose up -d

docker exec -it myissues-postgres psql -U postgres -c "CREATE DATABASE myissues\_charity;"

docker exec -i myissues-postgres psql -U postgres -d myissues\_charity < database/schema.sql

5. Deploy Backend

cd backend

npm install --production

pm2 start index.js --name backend

6. Deploy Frontend

cd ../frontend

npm install

npm run build

sudo mkdir -p /var/www/myissues

sudo cp -r dist/\* /var/www/myissues/

7. Nginx Configuration

sudo tee /etc/nginx/conf.d/myissues.conf << 'EOF'

... (nginx config) ...

EOF

sudo nginx -t

sudo systemctl enable nginx

sudo systemctl start nginx

8. SSL with Certbot

sudo yum install -y python3

curl -O https://bootstrap.pypa.io/get-pip.py

sudo python3 get-pip.py

sudo pip3 install certbot certbot-nginx

sudo mkdir -p /var/www/html/.well-known/acme-challenge/

sudo systemctl reload nginx

sudo certbot --nginx -d myissuescharity.org -m your@mail.com --redirect --hsts --staple-ocsp --agree-tos --non-interactive

sudo nginx -t && sudo systemctl reload nginx

9. DNS

Ensure A records for both @ and www point to EC2 Public IP.

10. Test

https://myissuescharity.org

https://myissuescharity.org/api/users