Digital Ocean Deployment Guide

Installing nginx

1. sudo apt install nginx

Installing node

1. curl -o- https://raw.githubusercontent.com/nvm-sh/nvm/v0.35.3/install.sh | bash
2. source ~/.nvm/nvm.sh
3. nvm --version
4. nvm install <version>

Installing pm2

1. npm i pm2 -g
2. pm2 startup

Installing git

1. sudo apt install git

Creating Repository on Github

1. Create repo on github

Generating SSH

1. ssh-keygen
2. cat .ssh/id_rsa.pub
3. copy public key and paste in github ssh keys settings
4. nano .ssh/authorized_keys
5. Paste public key and save
6. chmod 700 .ssh/authorized_keys
7. In Github repo, add a new secret SSH_HOST, value is IP address of droplet
8. cat .ssh/id_rsa
9. Copy private key and add a new secret on github, SSH_KEY, value is private key
10. Add a new secret SSH_USERNAME, value is root
11. Repeat steps 2-10 for each github repo for the project

Configuring Domain Name

1. Buying a domain name
2. On droplet, networking add a new domain
3. Create A record for domain and each subdomain
4. Create CNAME for domain and each subdomain
5. Copy 3 NS values and paste in DNS settings in domain registrar

Configuring Nginx

1. sudo nano /etc/nginx/sites-available/default
2. Configure settings according to nginx config file
3. sudo nginx -t
4. sudo service nginx restart

Installing SSL Certificates

1. sudo apt install certbot python3-certbot-nginx
2. sudo ufw status
3. sudo ufw allow 'Nginx Full'
4. sudo ufw delete allow 'Nginx HTTP'
5. sudo ufw enable
6. sudo certbot --nginx -d domain.com -d www.domain.com … -d subdomain.com
7. sudo systemctl status certbot.timer
8. sudo certbot renew --dry-run