Sub Domain Setup

1. Add Domain and Update DNS

1. Open **DigitalOcean** → **Networking** → **Add Domain**.
2. Add your domain and note the **NS records**.
3. Add two A records (`www` and `@`) pointing to your **Cloud IP**.

DNS records

Type	Hostname	Value	TTL (seconds)	
A	merajfatima.live	directs to 157.245.100.213	3600	More ⌄
A	www.merajfatima.live	directs to 157.245.100.213	3600	More ⌄
NS	merajfatima.live	directs to ns1.digitalocean.com.	1800	More ⌄
NS	merajfatima.live	directs to ns2.digitalocean.com.	1800	More ⌄
NS	merajfatima.live	directs to ns3.digitalocean.com.	1800	More ⌄

4. Update your **Domain DNS Settings** with the cloud NS records.
5. Check updates using dnschecker.org.

2. React Setup & Project Deployment

1. **Clone the Project Repository**

```
exit
cd
git clone <ssh-clone-url>
```

2. **Navigate to the Project Directory**

```
cd repoName
```

3. **Navigate to Client Directory**

```
cd client
npm i
npm run build
mv dist ../server
cd ..
cd server
npm i
npm start
```

4. **Open Browser and Check**
   - Use your cloud IP and port to verify:

   ```
   http://<cloud-ip>:<port>
   ```

   - Example: `http://64.227.167.135:5001`

- If you are able to access on browser then stop the server
5. **Generate Configuration Using nginx.suhail.app**
   - Add your domain and port.

```
server {
    listen 80;
    listen [::]:80;
    server_name suhail.com www.suhail.com;

    location / {
        proxy_pass http://localhost:5000;
        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;
    }
}
```

5. **Edit the Nginx Configuration File & Paste in it**

```
sudo nano /etc/nginx/sites-available/domains
```

7. **Test and Restart Nginx**

```
sudo nginx -t
sudo systemctl restart nginx
```

Before Generating SSL Certificates check A Record and NS Record are Updated from dnschecker.org (A and NS Record)

10. **SSL Certificate**

```
sudo su
certbot --nginx
Enter your email :
Type : Y
Type : Y
Select your domains by typing number 1,2,3
and make sure you get
Successfully
Open Broswer and check domain and check ssl certificate
```

8. **Start the Project**
   ```sh
```

```
exit
cd
cd repoName
cd server
pm2 start app.js --name "Project Name and Port"
```

9. **PM2 Commands**

```
pm2 list
pm2 restart id or name
pm2 restart all
pm2 stop id or name
pm2 stop all
pm2 logs
pm2 logs id or name
```