

## Docker 2

Create a dockerfile, docker-compose file which when executed must display your basic details in the website.

**Techstacks needs to be used :**

- AWS EC2
- Docker

### Step-1: Create project folder

mkdir myprofile-docker && cd myprofile-docker

```
ubuntu@ip-172-31-15-35:~$ mkdir myprofile-docker
ubuntu@ip-172-31-15-35:~$ cd myprofile-docker
ubuntu@ip-172-31-15-35:~/myprofile-docker$ |
```

### Step-2: Create index.html

nano index.html

(html code added in the git hub)

```
<!DOCTYPE html>
<html>
<head>
  <title>My Profile</title>
  <style>
    body {
      background: linear-gradient(120deg,#1d2671,#c33764);
      color: white;
      font-family: Arial, sans-serif;
      text-align: center;
      padding-top: 80px;
    }
    .card {
      background: rgba(0,0,0,0.4);
      width: 400px;
      margin: auto;
      padding: 25px;
      border-radius: 15px;
      box-shadow: 0 0 15px black;
    }
    h1 { color: #ffdd59; }
  </style>
</head>
<body>
<div class="card">
  <h1>Sethu Raman</h1>
```

[ Read 33 lines ]

^G Help	^O Write Out	^W Where Is	^K Cut	^T Execute	^C Location	M-U Undo	M-A Set Mark
^X Exit	^R Read File	^N Replace	^U Paste	^J Justify	^_ Go To Line	M-E Redo	M-G Copy

```
    </style>
</head>
<body>
<div class="card">
    <h1>Sethu Raman</h1>
    <h3>DevOps Engineer</h3>
    <p>Location : Chennai, India</p>
    <p>Skills : Linux | AWS | Docker | Git | Shell Scripting</p>
    <p>Learning : Kubernetes, CI/CD</p>
</div>
</body>
</html>
```



### Step-3: Create Dockerfile

```
ubuntu@ip-172-31-15-35:~/myprofile-docker$ nano Dockerfile
```

```
GNU nano 7.2
FROM nginx:alpine

COPY index.html /usr/share/nginx/html/index.html

EXPOSE 80
```



### Step-4: Create docker-compose.yml

```
nano docker-compose.yml
```

```
ubuntu@ip-172-31-15-35:~/myprofile-docker$ nano docker-compose.yml
```

```
GNU nano 7.2
version: '3.8'

services:
  myprofile:
    image: myprofile-web
    build: .
    container_name: myprofile_app
    ports:
      - "8080:80"
```

## ► Step-5: Build & Run

Sudo docker-compose up -d

```
ubuntu@ip-172-31-15-35:~/myprofile-docker$ sudo docker-compose up -d
WARN[0000] /home/ubuntu/myprofile-docker/docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remove it to avoid potential confusion
[+] up 0/1
   Image myprofile-web Pulling
WARN[0002] Docker Compose requires buildx plugin to be installed
Sending build context to Docker daemon   741B
Step 1/4 : FROM nginx:alpine
alpine: Pulling from library/nginx
1074353eec0d: Pull complete
25f453064fd3: Pull complete
567f84da6fbd: Pull complete
da7c973d8b92: Pull complete
33f95a0f3229: Pull complete
085c5e5aaa8e: Pull complete
0abf9e567266: Pull complete
de54cb821236: Pull complete
Digest: sha256:8491795299c8e739b7fcc6285d531d9812ce2666e07bd3dd8db00020ad132295
Status: Downloaded newer image for nginx:alpine
----> 04da2b0513cd
Step 2/4 : COPY index.html /usr/share/nginx/html/index.html
----> bd4bd0d38b73
Step 3/4 : EXPOSE 80
----> Running in 4b7bf00a0795
----> Removed intermediate container 4b7bf00a0795
----> e311d7e66a75
Digest: sha256:8491795299c8e739b7fcc6285d531d9812ce2666e07bd3dd8db00020ad132295
Status: Downloaded newer image for nginx:alpine
----> 04da2b0513cd
Step 2/4 : COPY index.html /usr/share/nginx/html/index.html
----> bd4bd0d38b73
Step 3/4 : EXPOSE 80
----> Running in 4b7bf00a0795
----> Removed intermediate container 4b7bf00a0795
----> e311d7e66a75
Step 4/4 : LABEL com.docker.compose.image.builder=classic
----> Running in 27e8a4cf150b
----> Removed intermediate container 27e8a4cf150b
----> 842b8429d614
[+] up 3/3ly built 842b8429d614
✔Image myprofile-web           Built
✔Network myprofile-docker_default Created
✔Container myprofile_app       Created
ubuntu@ip-172-31-15-35:~/myprofile-docker$
```

## Step-6: Open in Browser (Final Output)

http://13.201.132.189:8080/

