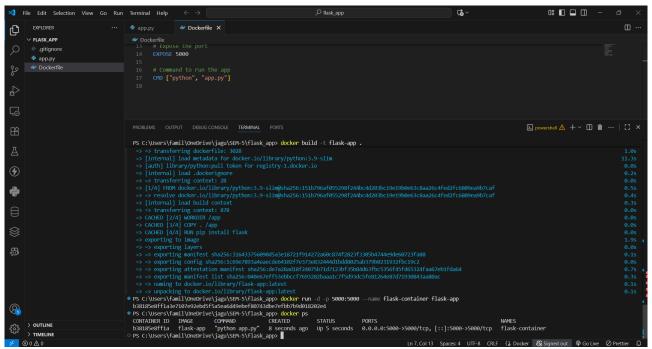
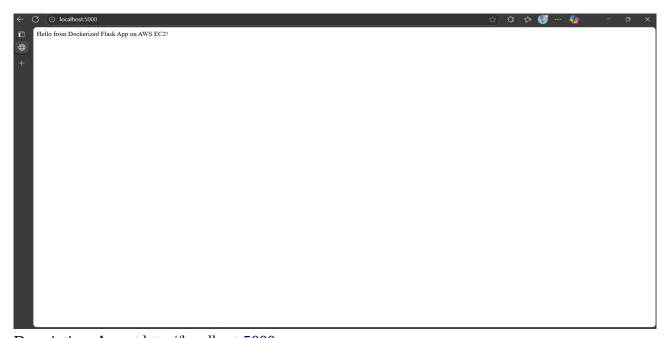
DevOps Intern Assignment [Jagruti Chaudhari]

Screenshot 1: Docker PS (Local)



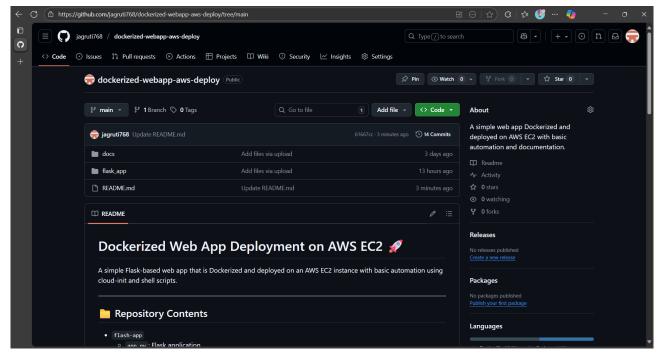
Description: Container running locally

Screenshot 2: Browser Localhost



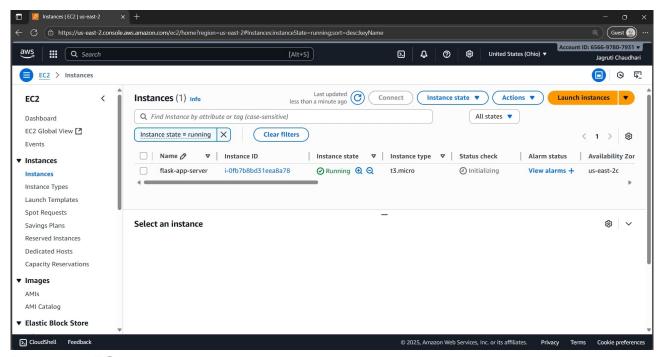
Description: App at http://localhost:5000

Screenshot 3: GitHub Repository



Description: Code pushed to GitHub

Screenshot 4: EC2 Dashboard



Description: EC2 instance running

Screenshot 5: SSH Connection

 PS C:\Users\famil\downloads> icacls jagruti04-10.pem /inheritance:r processed file: jagruti04-10.pem Successfully processed 1 files; Failed processing 0 files

Description: Connected to EC2 via SSH

Screenshot 6: Docker Installation

[ec2-user@ip-172-31-47-60 ~]\$ sudo yum install docker -y Last metadata expiration check: 0:00:16 ago on Sat Oct 4 18:21:36 2025. Dependencies resolved.				
Package	Architecture	Version	Repository	Size
======================================				=======
docker	x86_64	25.0.8-1.amzn2023.0.6	amazonlinux	46 M
Installing dependencies:				
container-selinux	noarch	4:2.242.0-1.amzn2023	amazonlinux	58 k
containerd	x86_64	2.0.6-1.amzn2023.0.1	amazonlinux	26 M
iptables-libs	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux	401 k
iptables-nft	x86_64	1.8.8-3.amzn2023.0.2	amazonlinux	183 k
libcgroup	x86_64	3.0-1.amzn2023.0.1	amazonlinux	75 k
libnetfilter_conntrack	x86_64	1.0.8-2.amzn2023.0.2	amazonlinux	58 k
libnfnetlink	x86_64	1.0.1-19.amzn2023.0.2	amazonlinux	30 k
libnftnl	x86_64	1.2.2-2.amzn2023.0.2	amazonlinux	84 k
pigz	x86_64	2.5-1.amzn2023.0.3	amazonlinux amazonlinux	83 k
runc Transaction Summary	x86_64	1.2.6-1.amzn2023.0.1	GIII GENERAL G	3.7 M
Install 11 Packages				
Installed size: 292 M				
Downloading Packages:				
(1/11): container-selinux-2.242.0-1.amzn2023.noarch.rpm			1.8 MB/s 58 kB	00:00
(2/11): iptables-libs-1.8.8-3.amzn2023.0.2.x86 64.rpm			13 MB/s 401 kB	00:00
(3/11): iptables-nft-1.8.8-3.amzn2023.0.2.x86 64.rpm			5.9 MB/s 183 kB	00:00
(4/11): libcgroup-3.0-1.amzn2023.0.1.x86 64.rpm			2.3 MB/s 75 kB	00:00
(5/11): libnetfilter conntrack-1.0.8-2.amzn2023.0.2.x86 64.rpm			2.4 MB/s 58 kB	00:00
(6/11): libnfnetlink-1.0.1-19.amzn2023.0.2.x86 64.rpm			1.5 MB/s 30 kB	00:00
(7/11): libnftnl-1.2.2-2.amzn2023.0.2.x86_64.rpm			2.5 MB/s 84 kB	00:00
(8/11): pigz-2.5-1.amzn2023.0.3.x86 64.rpm			2.5 MB/s 83 kB	00:00
(9/11): runc-1.2.6-1.amzn2023.0.1.x86_64.rpm			62 MB/s 3.7 MB	00:00
(10/11): containerd-2.0.6-1.amzn2023.0.1.x86 64.rpm			65 MB/s 26 MB	00:00

Description: Installed Docker on EC2

Screenshot 7: Docker Build on EC2

```
[ec2-user@ip-172-31-47-60 flask_app]$ sudo docker build -t flask-app .

[*) Building 8.0s (9/9) FINISHED

| Internal] load build definition from Dockerfile
| 0.0s |
| Internal] load build definition from Dockerfile
| 0.0s |
| Internal] load dockerfile: 3018
| 0.0s |
| Internal] load dockerfile: 3018
| 0.0s |
| Internal] load dockerfilore
| 0.0s |
| Internal] load dockeringore
| 0.0s |
| Internal] load build context |
| 0.0s |
| Internal] load dockeringore
| 0.0s |
| Internal load
```

[ec2-user@ip-172-31-47-60 flask_app]\$ sudo docker run -d -p 5000:5000 --name flask-container flask-app 9e6e75e98d2bbd5f7a28c6f9a5bc3fbc01f694d6fd76b0e22d7840a53c91f7d0

```
[ec2-user@ip-172-31-47-60 flask_app]$ curl http://localhost:5000

Hello from Dockerized flask App on AWS EC2![ec2-user@ip-172-31-47-60 flask_app]$ sudo docker ps

CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS NAMES

9e6e75e98d2b flask-app "python app_py" 5 minutes ago Up 5 minutes 0.0.0.0:5000->5000/tcp, :::5000->5000/tcp flask-container
```

Description: Built image on EC2

Screenshot 8: Docker PS on EC2

```
[ec2-usen@ip-172-31-47-60 flask_app]$ sudo docker ps
CONTAINER ID IMAGE COMMAND CREATED STATUS PORTS

PORTS NAMES
9e6e75e98d/2b flask-app "python app.py" 18 seconds ago Up 17 seconds 0.0.0.6:5000->5000/tcp, :::5000->5000/tcp flask-container
[ec2-user@ip-172-31-47-60 flask_app]$ curl http://localhost:5000

Hello from Dockerized Flask App on AWS EC2![ec2-user@ip-172-31-47-60 flask_app]$ ■
```

Description: Container running on EC2

Screenshot 9: Browser EC2 IP



Description: App at http://3.21.167.123:5000/