### **APPLICATION DEPLOYMENT**

GIT REPO URL: https://github.com/SAARA213/Devops\_Capstone.git

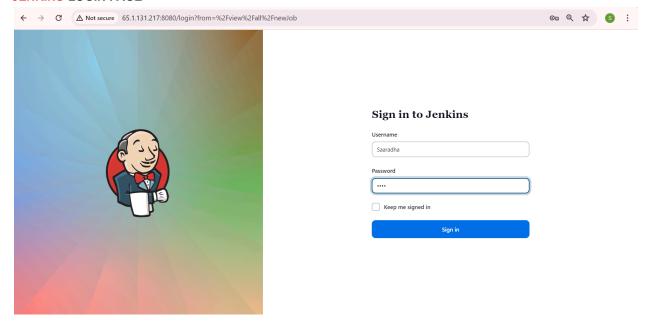
DEPLOYED SITE URL: http://13.127.0.6/

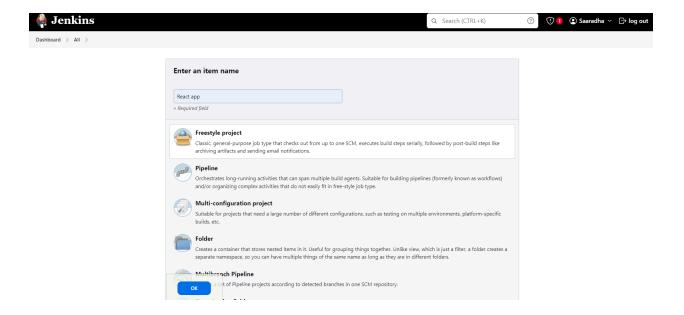
**DOCKER IMAGE NAME: reactjs** 

### DOCKERIZE THE APPLICATION BY CREATING DOCKERFILE

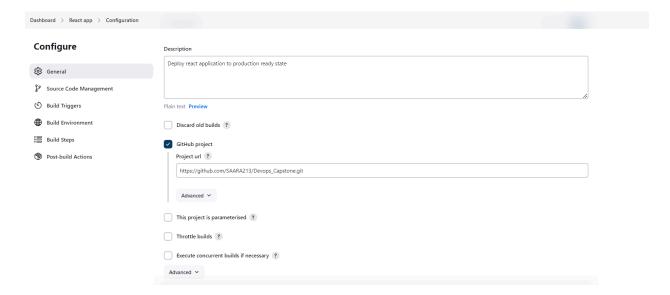


### **JENKINS-LOGIN PAGE**





### **CONFIGURATION SETTING FOR PROJECT**



# Source Code Management O None Git ? Repositories ? Repository URL ? https://github.com/SAARA213/Devops\_Capstone.git Credentials ? - none -+Add ▼ Advanced ~ Add Repository Branches to build ? × Branch Specifier (blank for 'any') ? \*/master **Build Triggers** Trigger builds remotely (e.g., from scripts) ? Build after other projects are built ? Build periodically ? GitHub hook trigger for GITScm polling ? Poll SCM ? Schedule ? \* \* \* \* \* Do you really mean "every minute" when you say "\*\*\*\*\*"? Perhaps you meant "H \*\*\*\*" to poll once per hour Would last have run at Tuesday, June 4, 2024 at 10:01:15 AM Coordinated Universal Time; would next run at Tuesday, June 4, 2024 at 10:01:15 AM Coordinated Universal Time. Ignore post-commit hooks ?

### **EXECUTE STEP COMMANDS**

**Build Steps** 



### **OUTPUT-DEPLOYED THE APPLICATION-SUCCESS**



### Changes

- 1. Update docker-compose.yaml (commit: 85ad504) (details / githubweb)
- 2. Update Dockerfile (commit: 458b361) (details / githubweb)
- 3. Update Dockerfile (commit: 26ca9bf) (details / githubweb)
- 4. Update docker-compose.yaml (commit: 13ce15d) (details / githubweb)



Started by user Saaradha



This run spent:

- · 6 ms waiting;
- 4.8 sec build duration;
- 4.8 sec total from scheduled to completion.



Revision: 13ce15de06c92574935c90a70adc1cefaa536ffe

Repository: https://github.com/SAARA213/Devops\_Capstone.git

• refs/remotes/origin/main

```
+ docker build -t reactjs .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
            Install the buildx component to build images with BuildKit:
            https://docs.docker.com/go/buildx/
Sending build context to Docker daemon 3.637MB
Step 1/5 : FROM nginx:alpine
 ---> 70ea0d8cc530
Step 2/5 : WORKDIR /usr/share/nginx/html/
 ---> Using cache
 ---> 9c439eb92690
Step 3/5 : COPY build /usr/share/nginx/html/
 ---> Using cache
 ---> 6a3f3adbe1e1
Step 4/5 : EXPOSE 8000
 ---> Running in 2d111cb4ba0c
Removing intermediate container 2d111cb4ba0c
 ---> 6df1a564f388
Step 5/5 : CMD ["nginx", "-g", "daemon off;"]
 ---> Running in d8b5717f415c
Removing intermediate container d8b5717f415c
 ---> c0eac5705b90
Successfully built c0eac5705b90
Successfully tagged reactjs:latest
+ docker run -d -p 8001:8000 reactjs
fbd4dbbe177fbc182ed4ee499db1a3830384376a62bf3937bf330c35e4b45ea7
+ docker tag reactjs saaradhakumar/prod_repo:react
+ docker login -u saaradhakumar -p Lohita@123
WARNING! Using --password via the CLI is insecure. Use --password-stdin.
WARNING! Your password will be stored unencrypted in /var/lib/jenkins/.docker/config.json.
Configure a credential helper to remove this warning. See
https://docs.docker.com/engine/reference/commandline/login/#credentials-store
```

```
Dashboard > React app > #10 > Console Output
                                                                       + docker push saaradhakumar/prod_repo:react
                                                                      The push refers to repository [docker.io/saaradhakumar/prod_repo]
2c814e3cd7b7: Preparing
9cba8117003a: Preparing
                                                                      b6d04dc5ecf7: Preparing
d38ed9b519d2: Preparing
                                                                       3b4115e2edd1: Preparine
                                                                      8d720e2faad3: Preparing
7b87df18a0ed: Preparing
                                                                       a05d3326ce5a: Preparing
                                                                      8d720e2faad3: Waiting
                                                                      7b87df18a0ed: Waiting
a05d3326ce5a: Waiting
                                                                       d4fc045c9e3a: Waiting
                                                                      b6d04dc5ecf7: Layer already exists
3b4115e2edd1: Layer already exists
                                                                      9cba8117003a: Layer already exists
d38ed9b519d2: Layer already exists
                                                                       a05d3326ce5a: Laver already exists
                                                                      7b87df18a0ed: Layer already exists
8d720e2faad3: Layer already exists
                                                                      d4fc045c9e3a: Layer already exists 2c814e3cd7b7: Pushed
                                                                       react: digest: sha256:b6556a9bff55842af1af45e7d62c167efa1d52ba7d0c1c8c05870548760d5e33 size: 2199
```

```
Login Succeeded
+ docker push saaradhakumar/dev_repo:react
The push refers to repository [docker.io/saaradhakumar/dev_repo]
2c814e3cd7b7: Preparing
9cba8117003a: Preparing
b6d04dc5ecf7: Preparing
d38ed9b519d2: Preparing
3b4115e2edd1: Preparing
8d720e2faad3: Preparing
7b87df18a0ed: Preparing
a05d3326ce5a: Preparing
d4fc045c9e3a: Preparing
8d720e2faad3: Waiting
7b87df18a0ed: Waiting
a05d3326ce5a: Waiting
d4fc045c9e3a: Waiting
9cba8117003a: Layer already exists
b6d04dc5ecf7: Layer already exists
d38ed9b519d2: Layer already exists
3b4115e2edd1: Layer already exists
7b87df18a0ed: Layer already exists
8d720e2faad3: Layer already exists
d4fc045c9e3a: Layer already exists
a05d3326ce5a: Layer already exists
2c814e3cd7b7: Mounted from saaradhakumar/prod_repo
react: digest: sha256:108387cc4d77f76922c9d025c0301142250addff058490e65b2c13136d86e724 size: 2199
Finished: SUCCESS
```

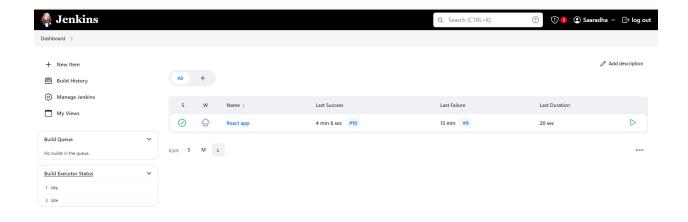
## $\odot$

### React app

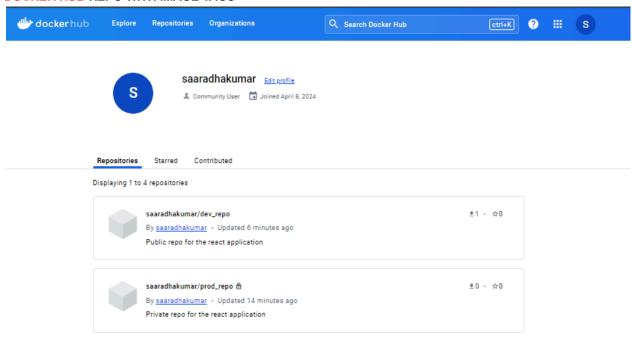
Deploy react application to production ready state

### **Permalinks**

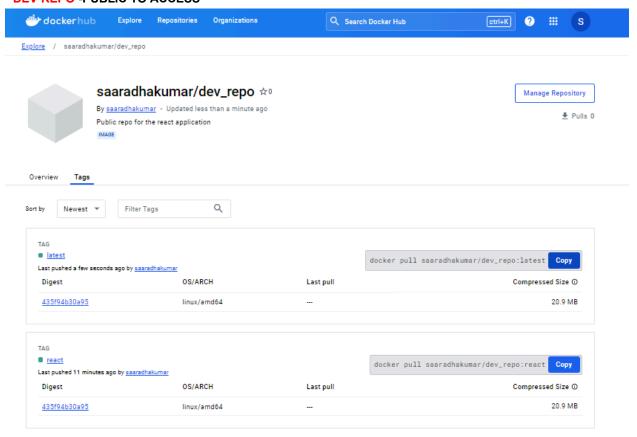
- Last build (#10), 1 min 41 sec ago
- Last stable build (#10), 1 min 41 sec ago
- Last successful build (#10), 1 min 41 sec ago
- Last failed build (#9), 11 min ago
- Last unsuccessful build (#9), 11 min ago
- Last completed build (#10), 1 min 41 sec ago



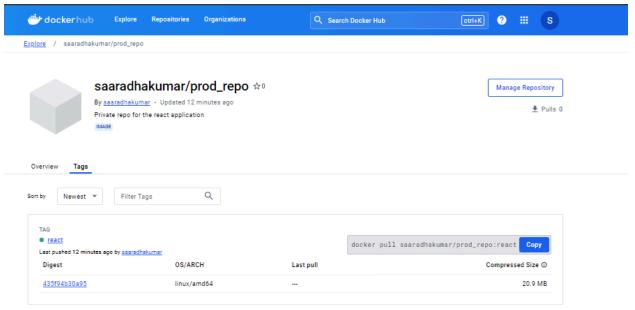
### **DOCKER HUB REPO WITH IMAGE TAGS**



#### **DEV REPO -PUBLIC TO ACCESS**

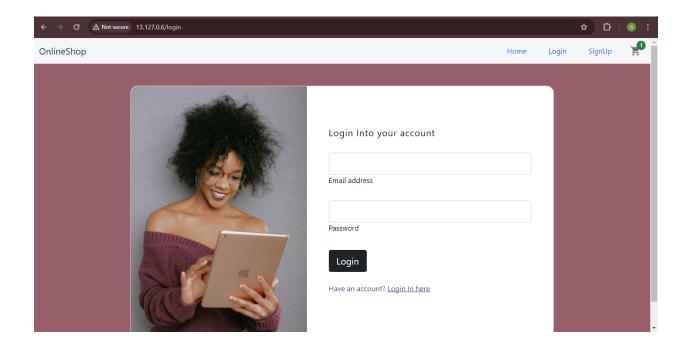


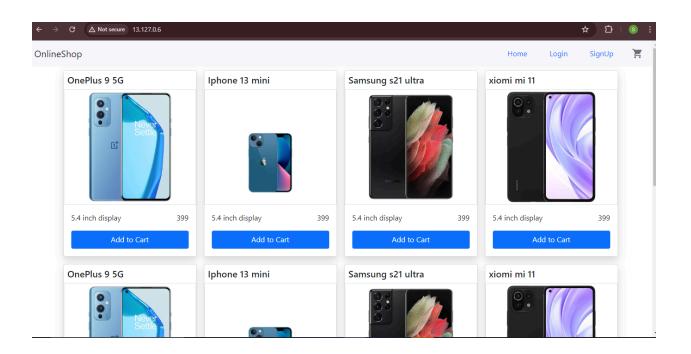
### **PROD REPO-PRIVATE**

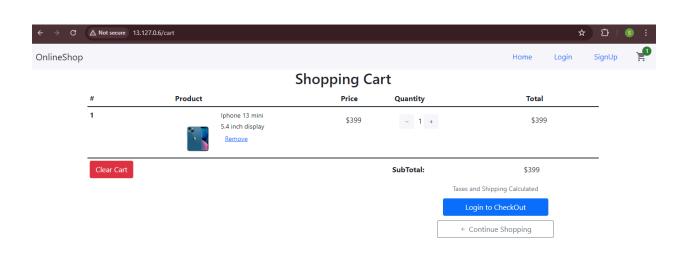


### **DEPLOYED SITE PAGE**

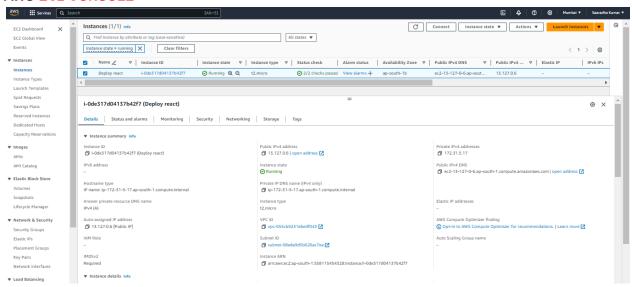




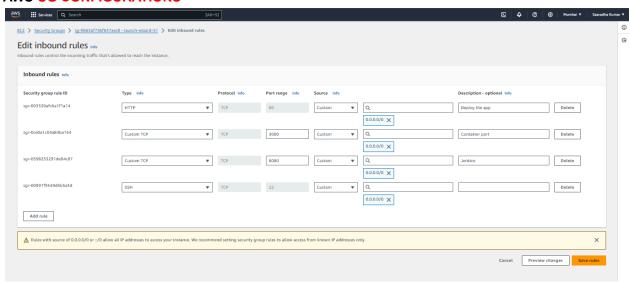




### **AWS-EC2 CONSOLE**



#### **AWS-SG CONFIGURATIONS**



### MONITORING HEALTH CHECK STATUS USING CLOUD WATCH

