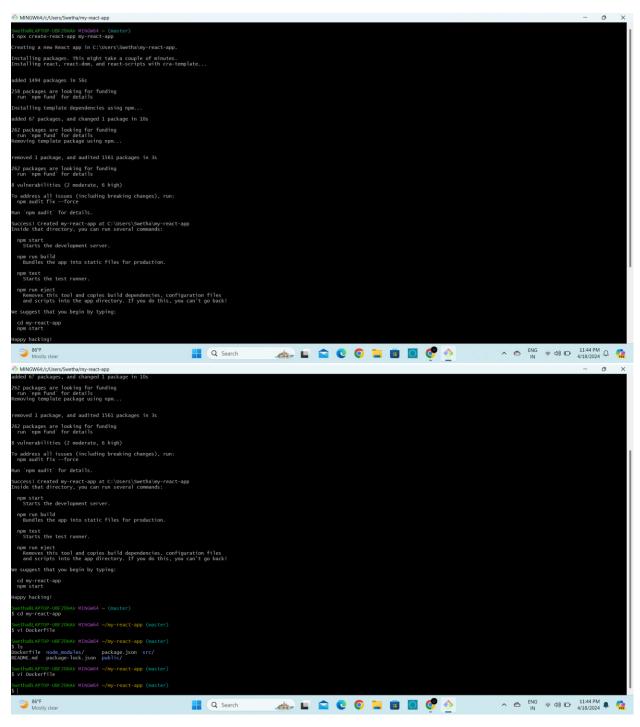
# Build and Deploy Dockerized React JS Application with AWS CI-CD and Elastic Beanstalk

# **React Sample File and Dockerfile Creation:**



```
ubuntu_unix@LAPTOP-UBF20HAV:~/my-react-app$ cat Dockerfile
# Use official Node.js image as the base image
FROM node:14-alpine

# Set working directory
WORKDIR /app

# Copy package.json and package-lock.json to the working directory
COPY package*.json ./

# Install dependencies
RUN npm install

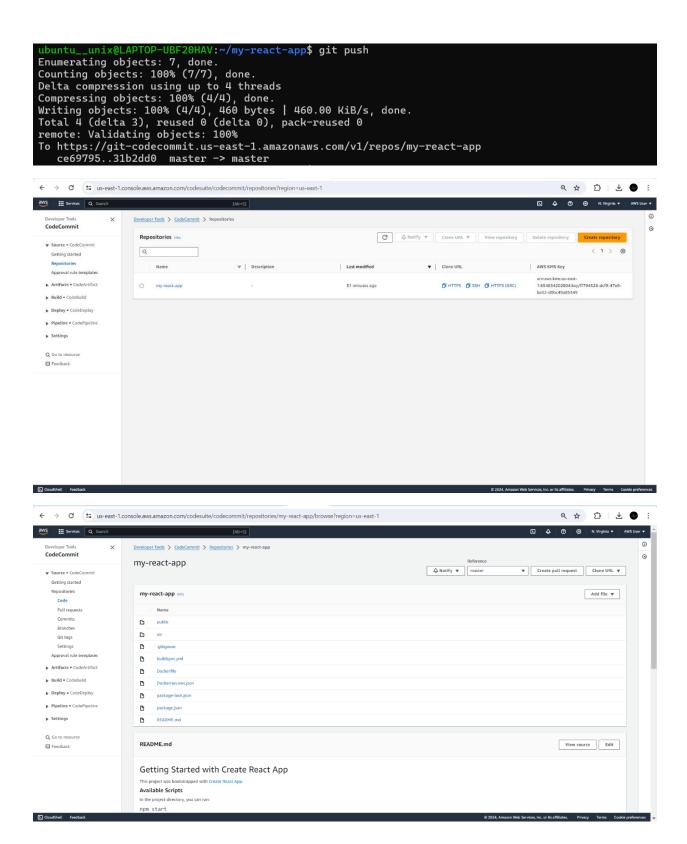
# Copy the rest of the application code to the working directory
COPY .

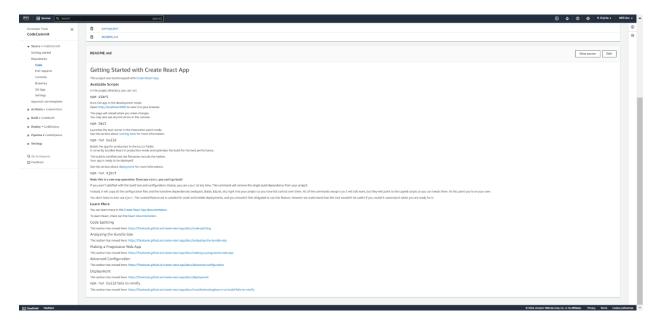
EXPOSE 3000

# Command to run the application
CMD ["npm", "start"]
```

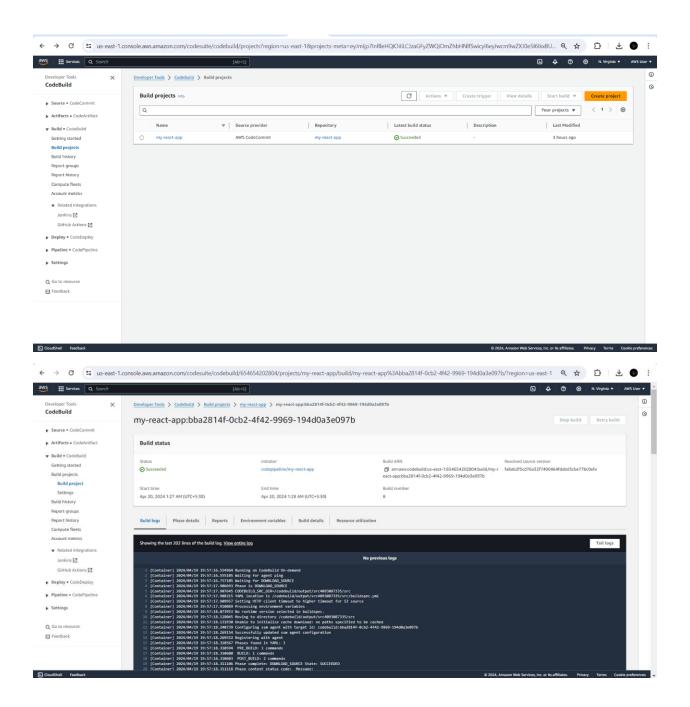
### Code Storage (CodeCommit):

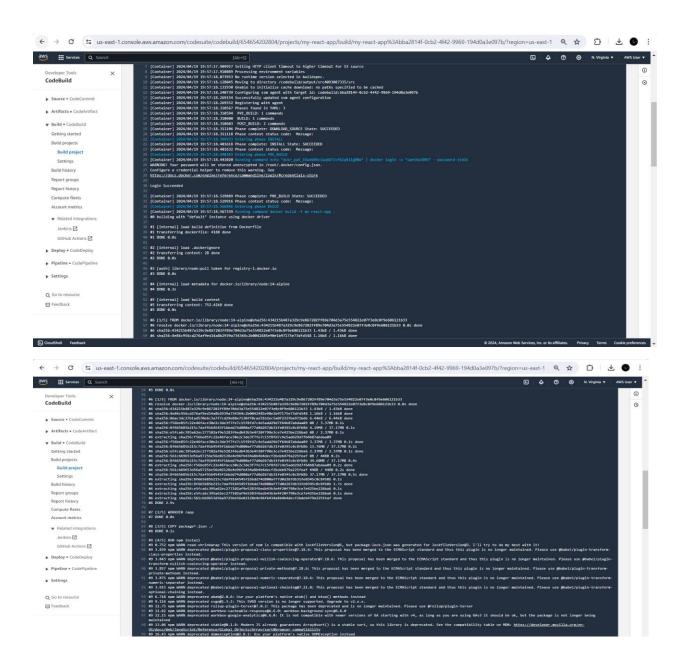
```
ubuntu_unix@LAPTOP-UBF20HAV:~/my-react-app$ git commit -m "Initial commit"
[master (root-commit) d3ea132] Initial commit
19 files changed, 18776 insertions(+)
create mode 100644 gitignore
create mode 100644 Dockerfile
create mode 100644 README.md
create mode 100644 package-lock.json
create mode 100644 package.json
create mode 100644 public/favicon.ico
create mode 100644 public/index.html
create mode 100644 public/logo192.png
create mode 100644 public/logo512.png
create mode 100644 public/manifest.json
create mode 100644 public/robots.txt
create mode 100644 src/App.css
create mode 100644 src/App.test.js
create mode 100644 src/App.test.js
create mode 100644 src/index.js
create mode 100644 src/index.js
create mode 100644 src/logo.svg
create mode 100644 src/logo.svg
create mode 100644 src/reportWebVitals.js
create mode 100644 src/reportWebVitals.js
create mode 100644 src/reportWebVitals.js
create mode 100644 src/setupTests.js
  An error occurred (RepositoryNameExistsException) when calling the CreateRepository operation: Repository named my-react-app already exists ubuntu_unix@LAPTOP-UBF20HAV:~/my-react-app$ git init hint: Using 'master' as the name for the initial branch. This default branch name hint: is subject to change. To configure the initial branch name to use in all hint: of your new repositories, which will suppress this warning, call:
                                  git config --global init.defaultBranch <name>
                           Names commonly chosen instead of 'master' are 'main', 'trunk' and 'development'. The just-created branch can be renamed via this command:
hint: git branch -m <name>
Initialized empty Git repository in /home/ubuntu__unix/my-react-app/.git/
ubuntu__unix@LAPTOP-UBF20HAV:-/my-react-app$ git branch -m master
ubuntu__unix@LAPTOP-UBF20HAV:-/my-react-app$ git init
Reinitialized existing Git repository in /home/ubuntu_unix/my-react-app/.git/
ubuntu__unix@LAPTOP-UBF20HAV:-/my-react-app$ git remote add origin https://git-codecommit.us-east-1.amazonaws.com/v1/repos/my-react-app
ubuntu__unix@LAPTOP-UBF20HAV:-/my-react-app$ git commit -m "Initial commit"
[master (root-commit) d3ea132] Initial commit
19 files changed, 18776 insertions(+)
create mode 100644 gitignore
create mode 100644 package-lock.json
create mode 100644 package-lock.json
create mode 100644 public/favicon.ico
create mode 100644 public/favicon.ico
create mode 100644 public/index.html
create mode 100644 public/logo512.png
create mode 100644 public/logo512.png
create mode 100644 public/namifest.json
create mode 100644 public/namifest.json
create mode 100644 public/namifest.json
create mode 100644 public/namifest.json
create mode 100644 public/nobots.txt
create mode 100644 public/nobots.txt
create mode 100644 src/App.css
create mode 100644 src/App.css
create mode 100644 src/App.css
create mode 100644 src/App.css
                                       mode 100644 src/App.css
mode 100644 src/App.js
```

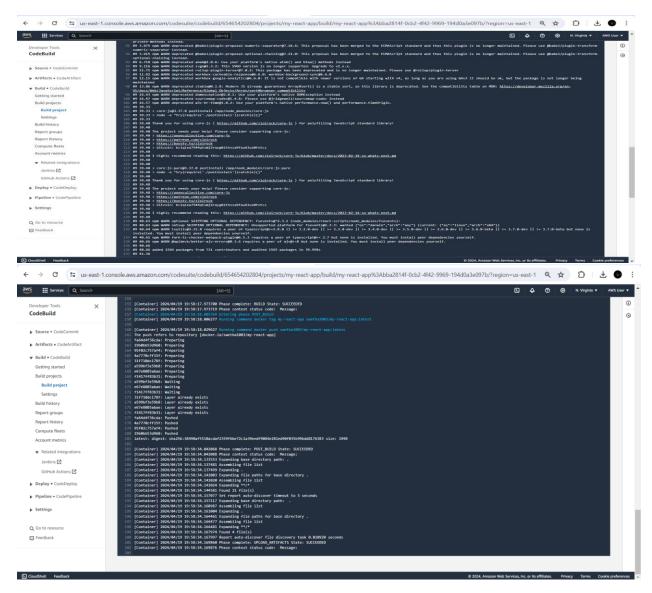




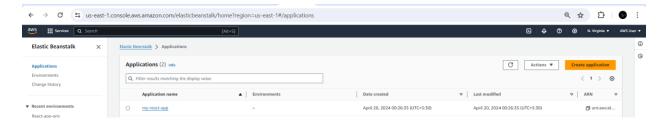
## Docker Build (CodeBuild):

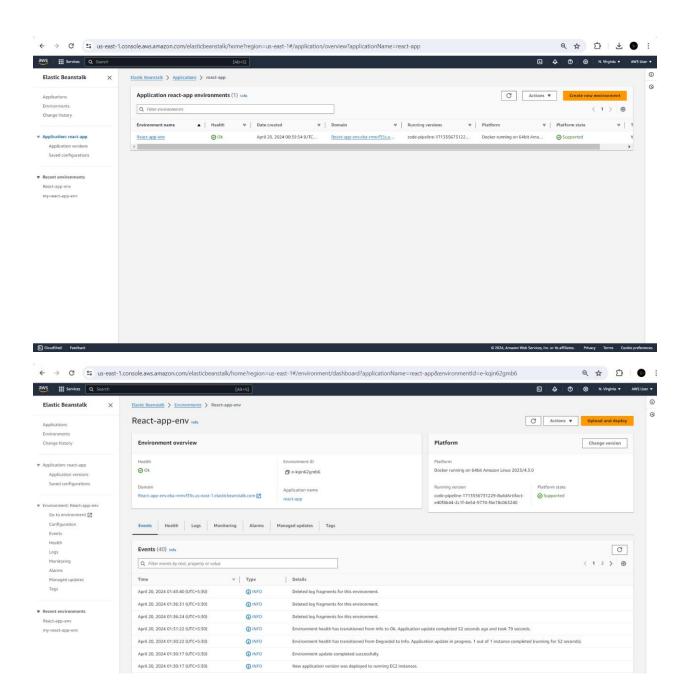


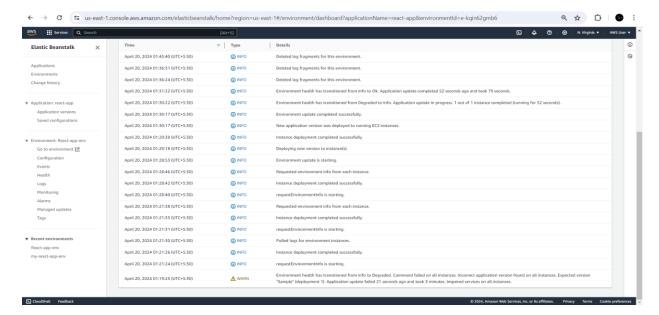




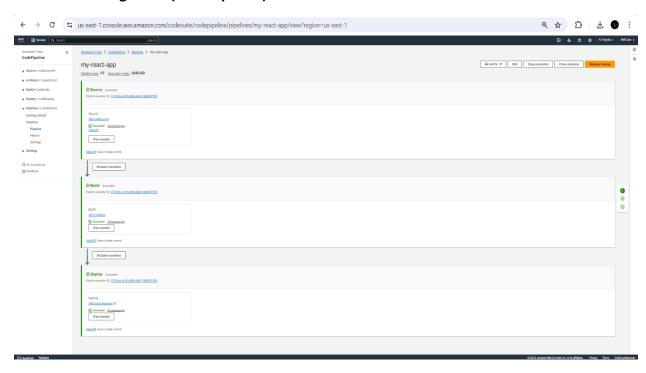
#### Continuous Deployment (ElasticBeanstalk):







#### **Continuous Integration (CodePipeline):**



# **Deployed React App:**

