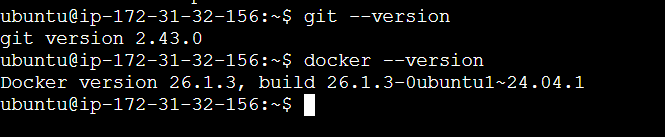
**Final Project**

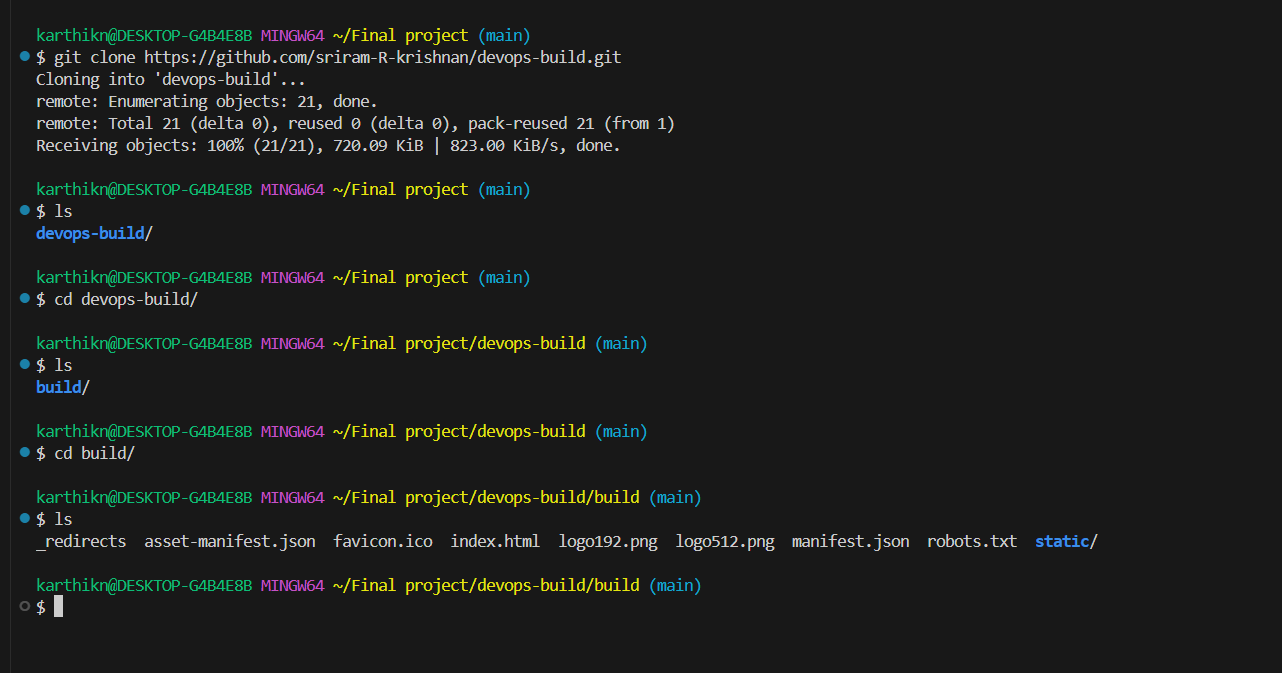
**Setting up the local environment**

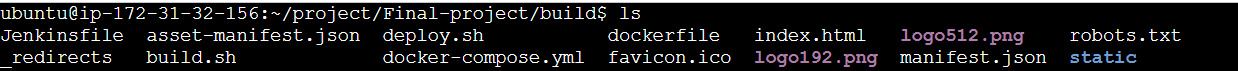
Install the necessary application on the local environment



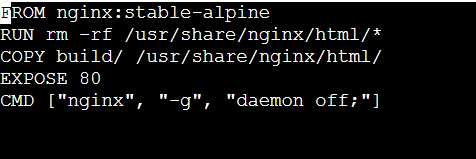
Clone the repository

git clone <https://github.com/sriram-R-krishnan/devops-build\>

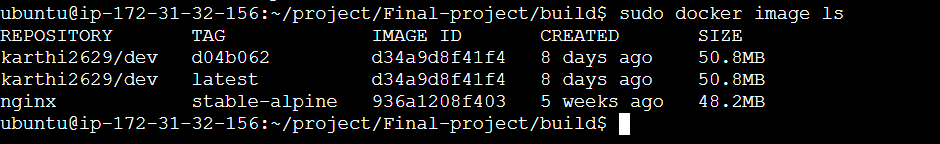




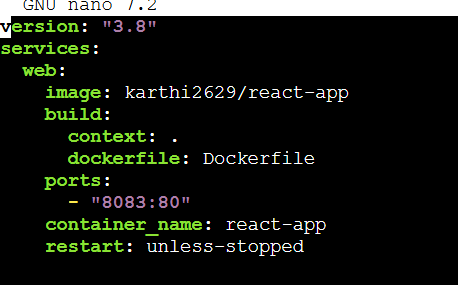
**To create a dockerfile**



**Docker image**

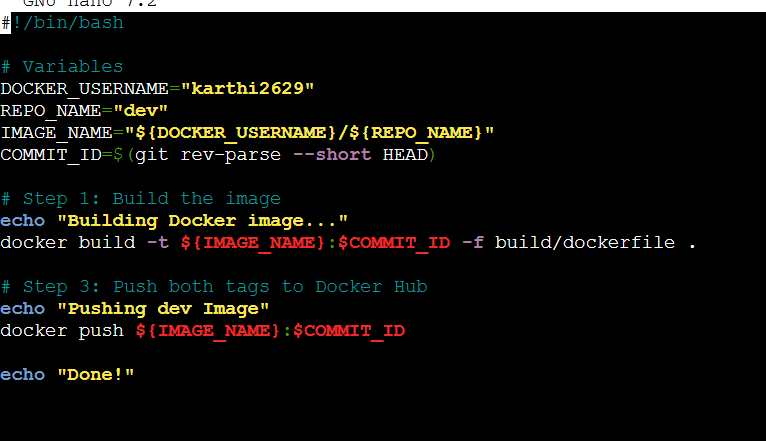


dockercompose.yml

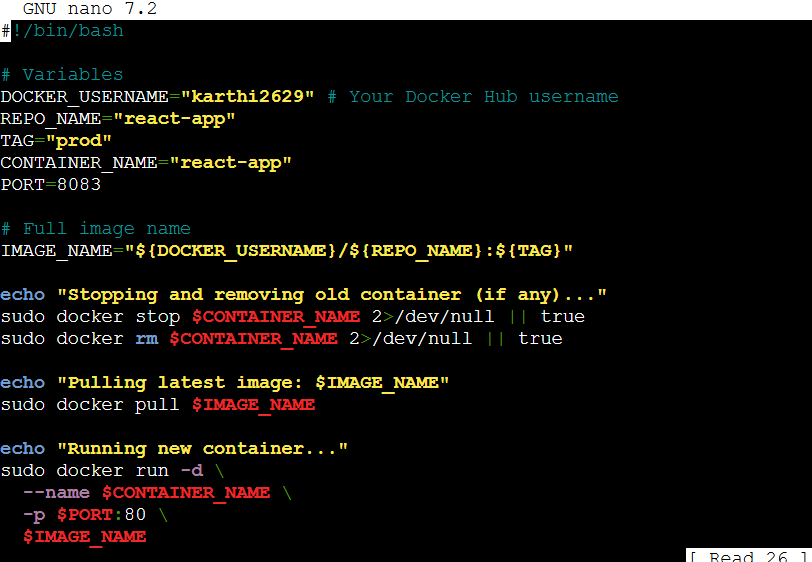


**Bash Scripting**

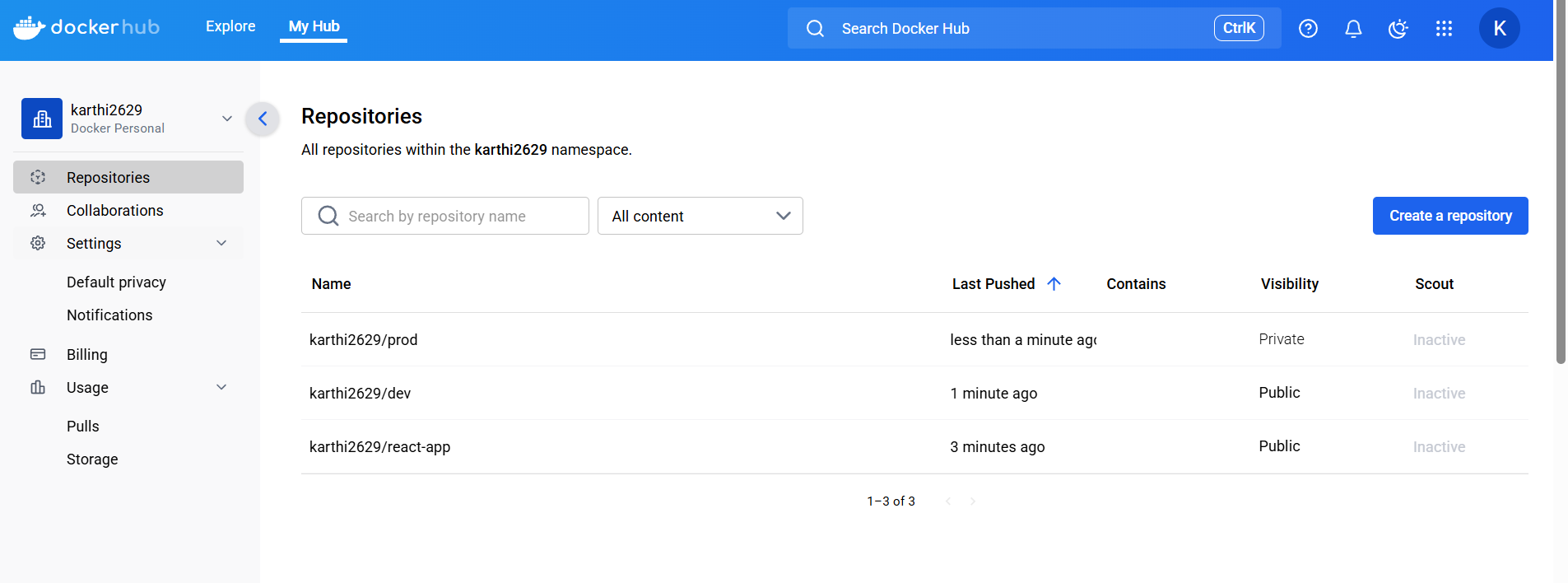
Build.sh

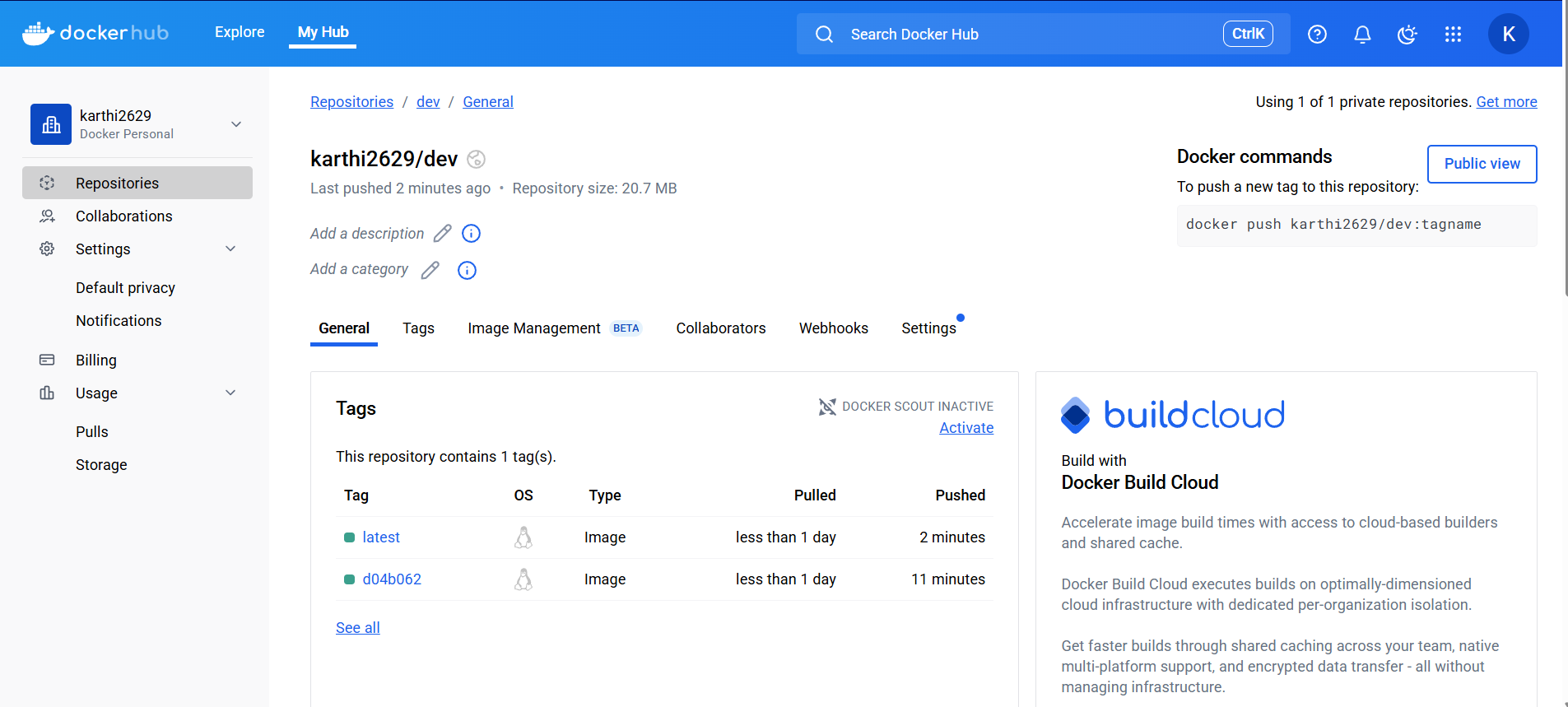


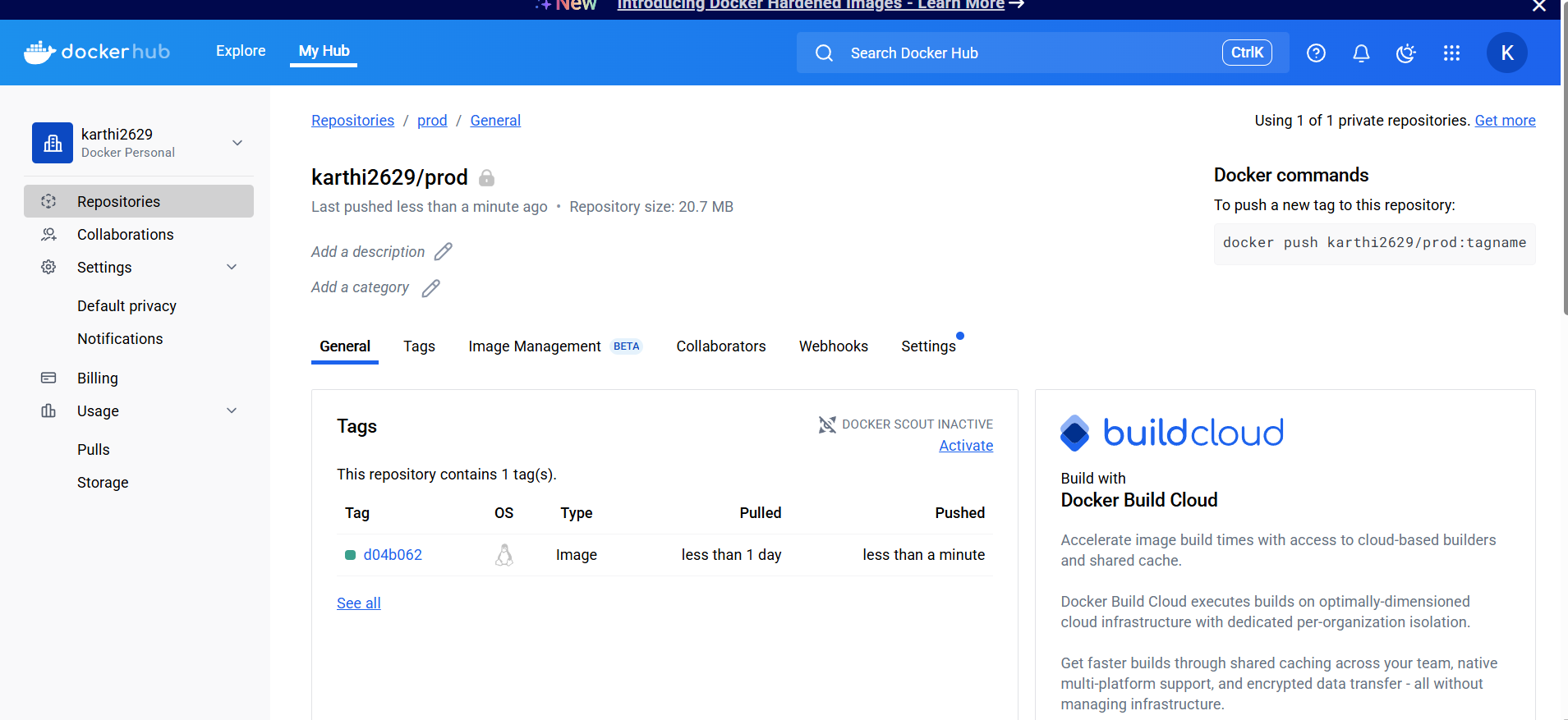
Deploy.sh



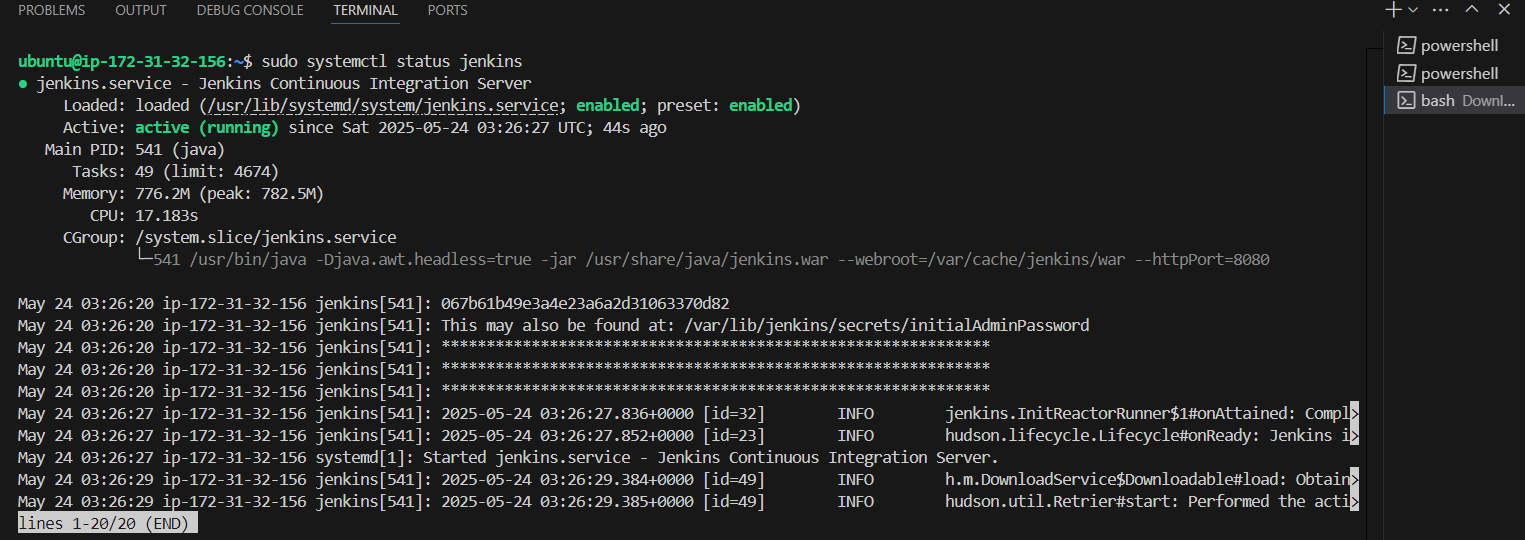
**Docker Hub (Build.sh script will build the docker image and push it to docker hub (dev and prod tags))**



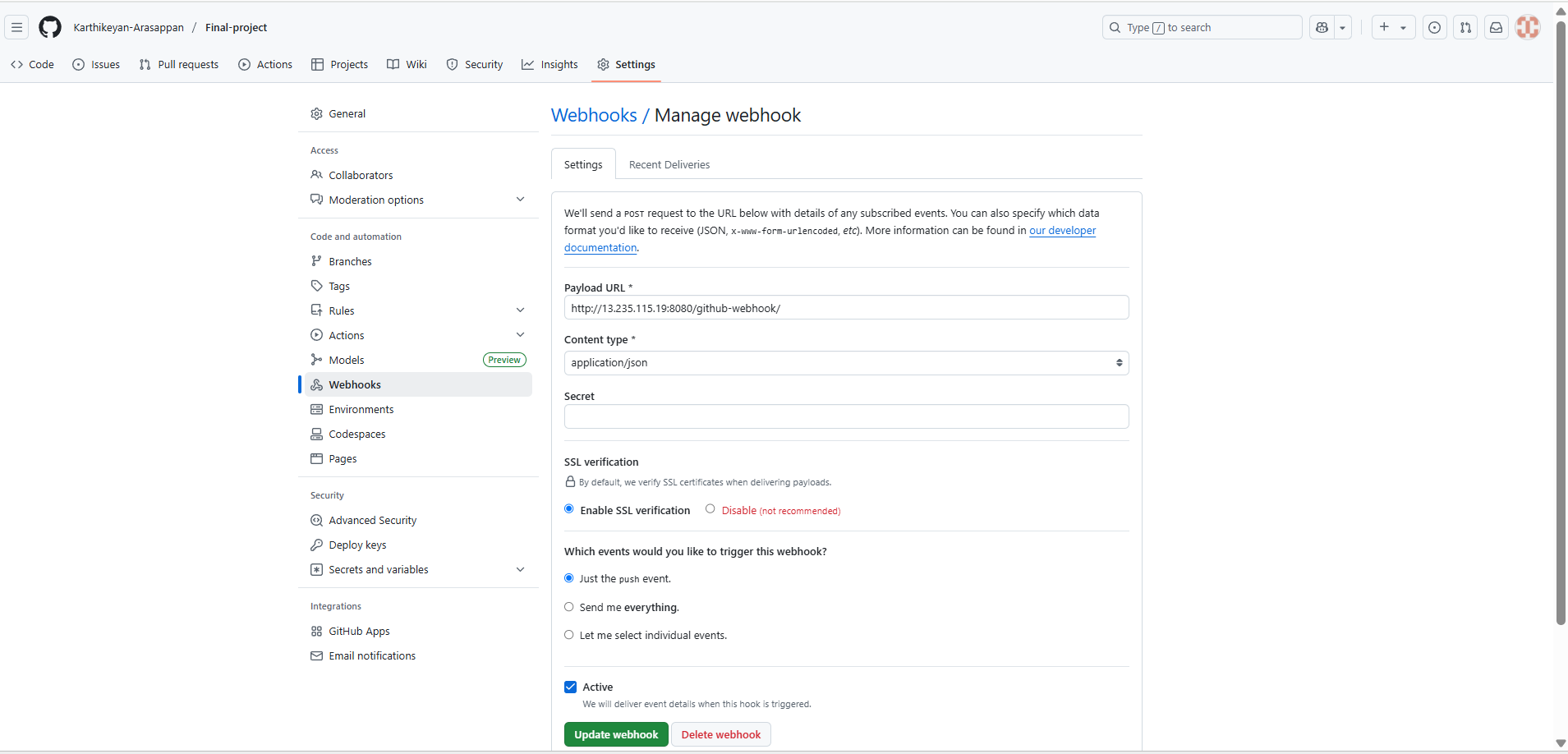


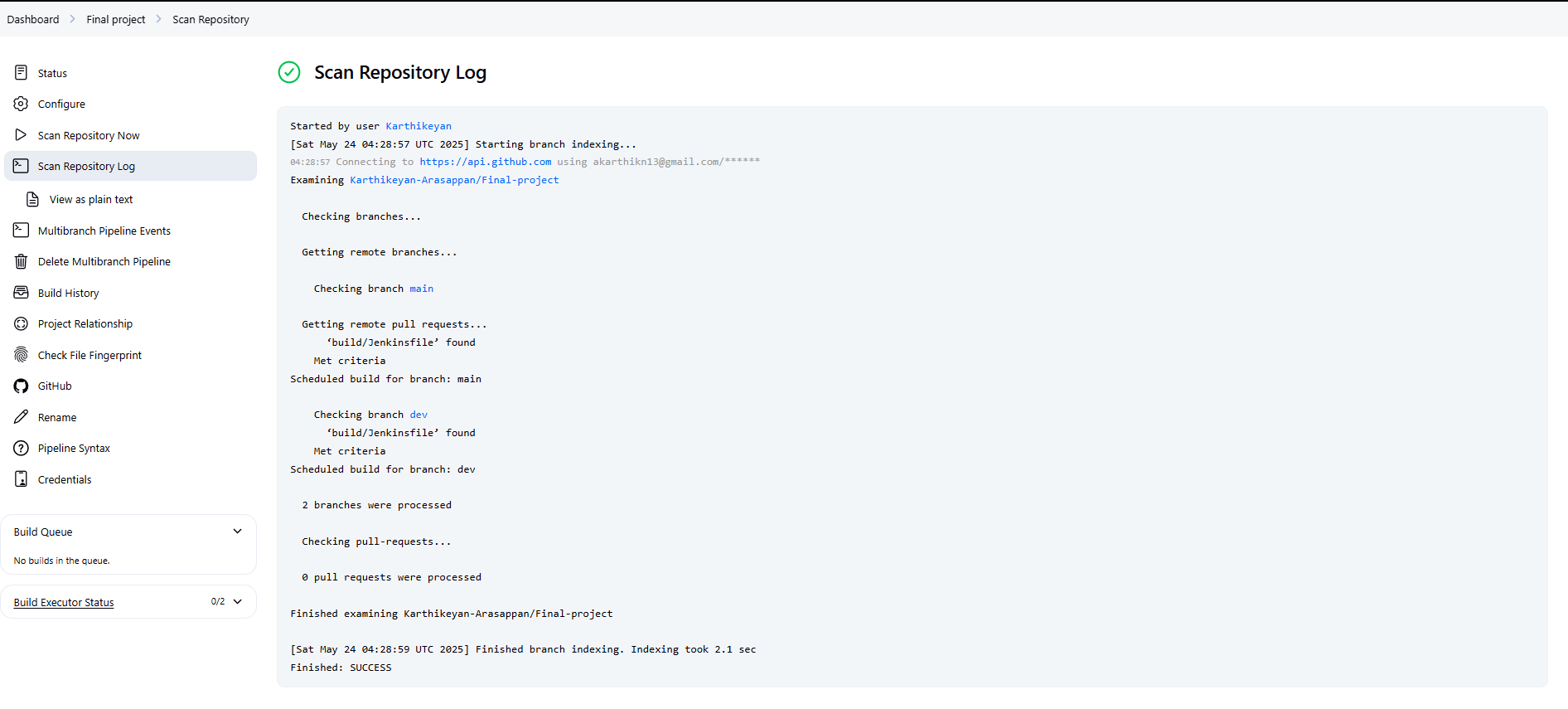


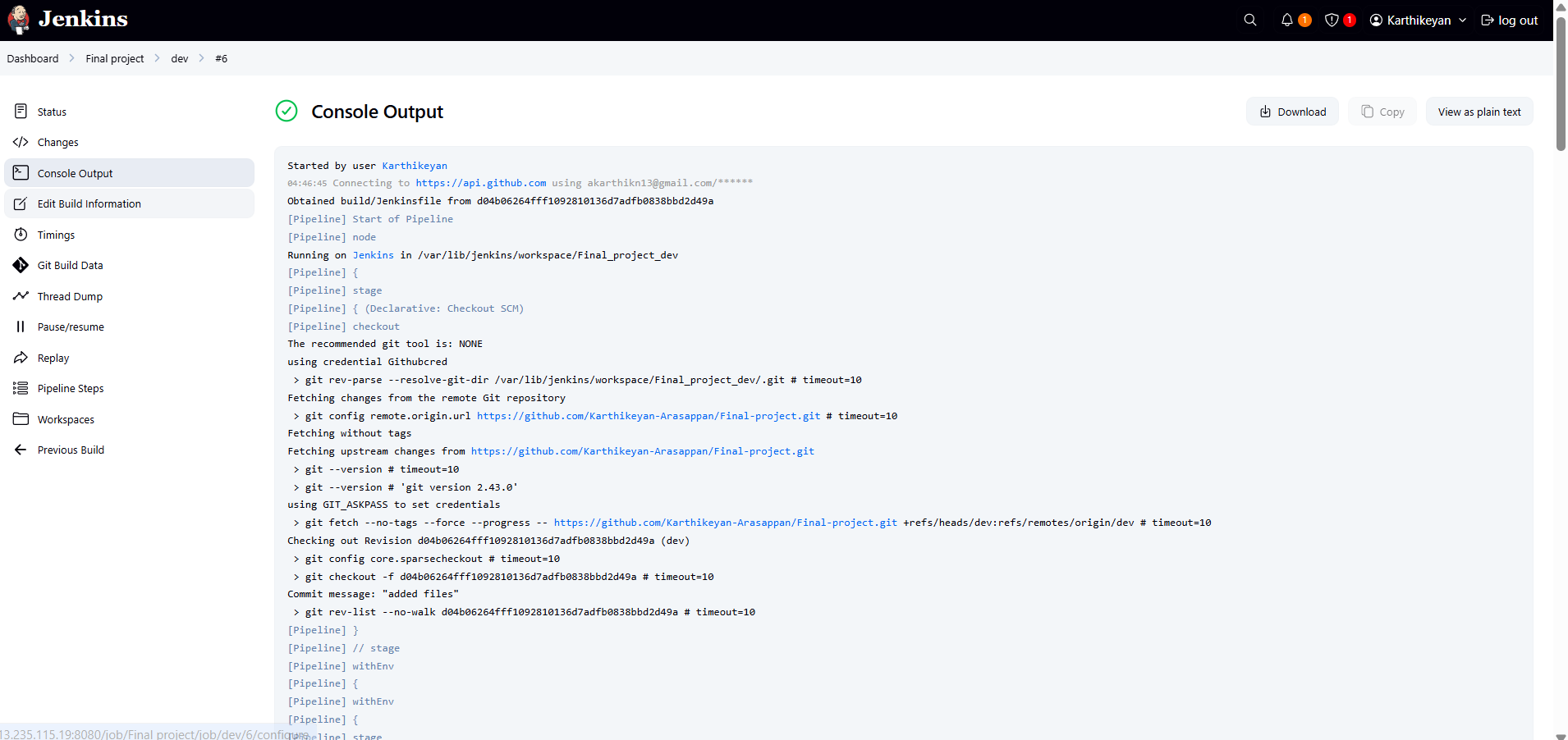
**Jenkins**

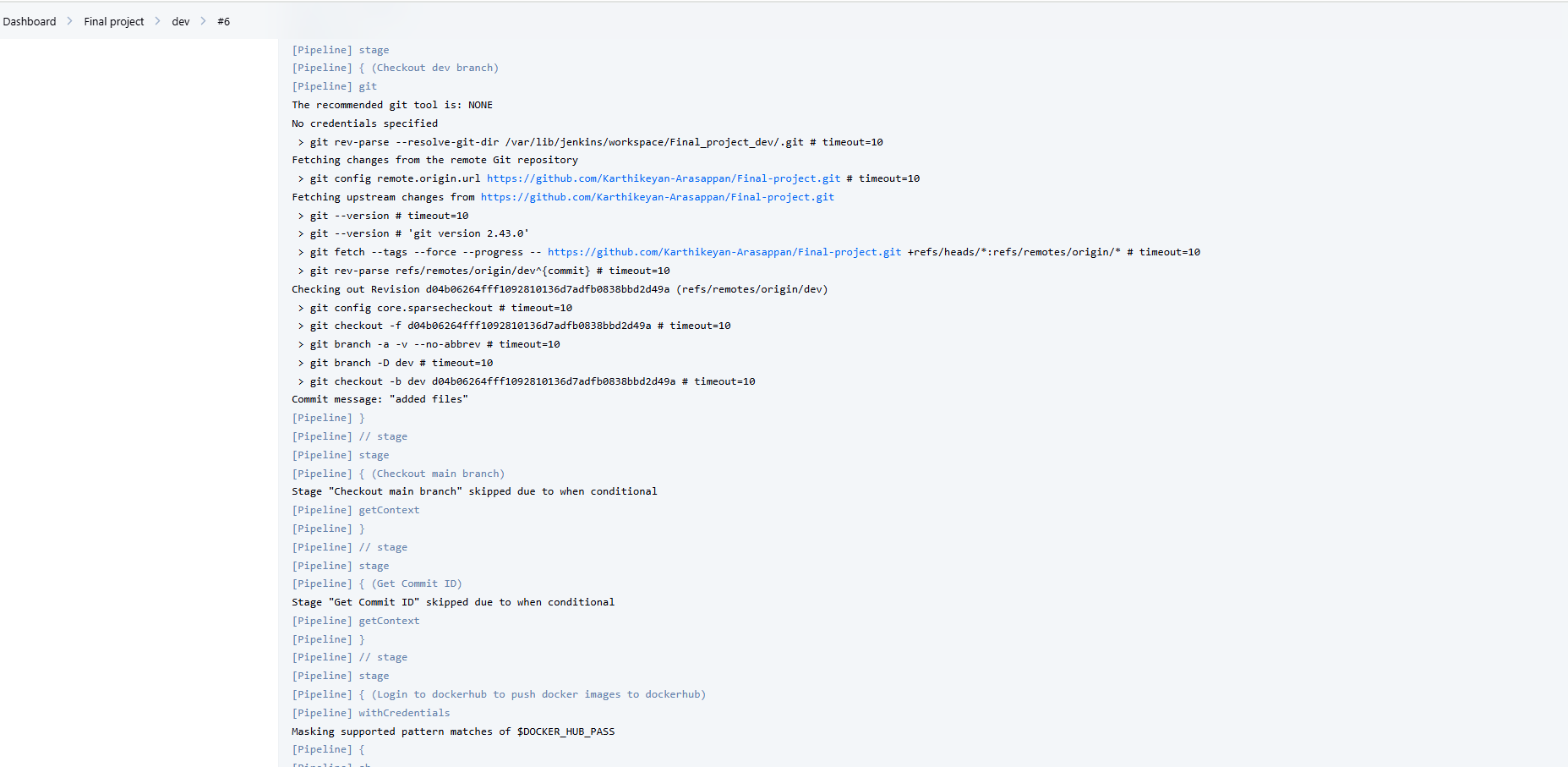


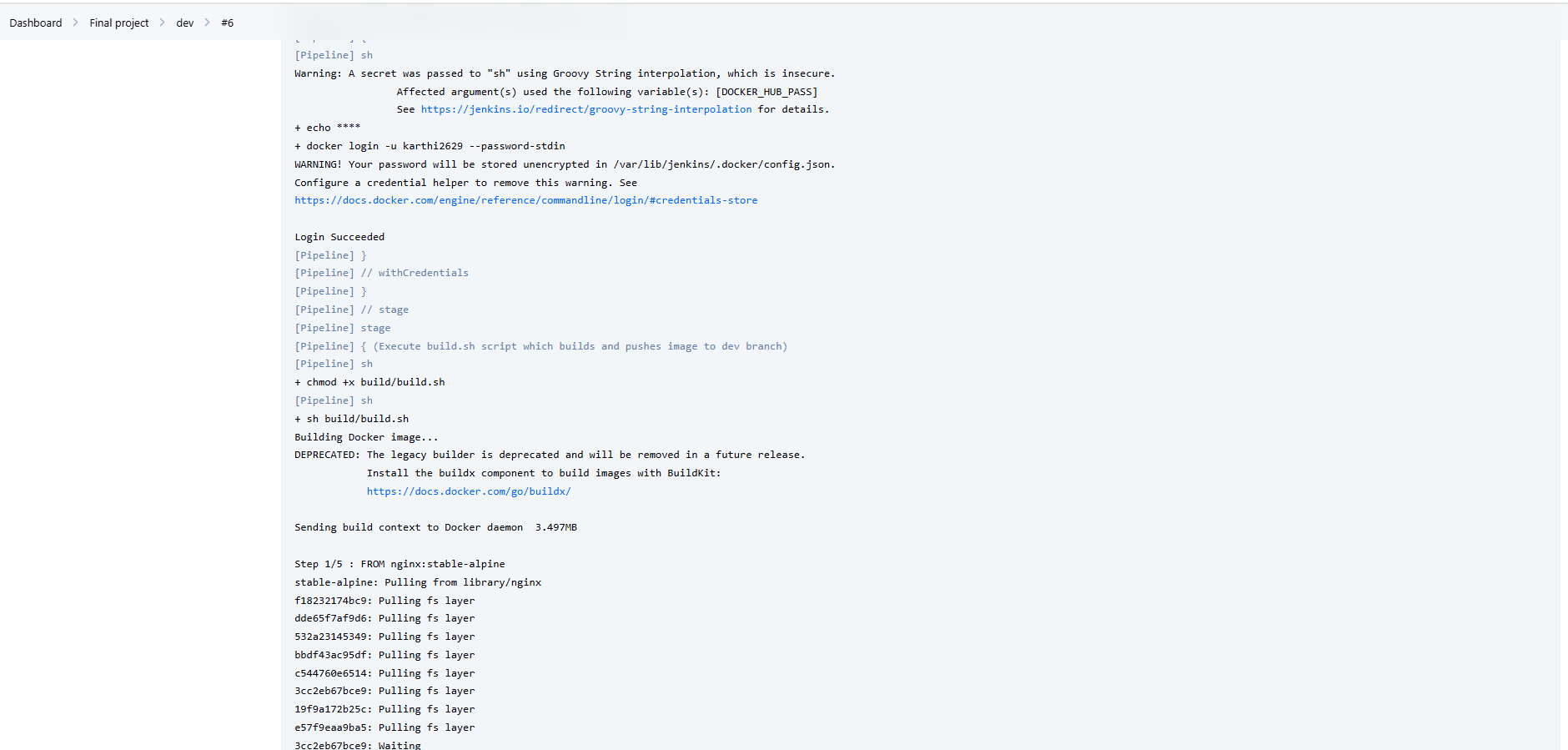
Webhook:

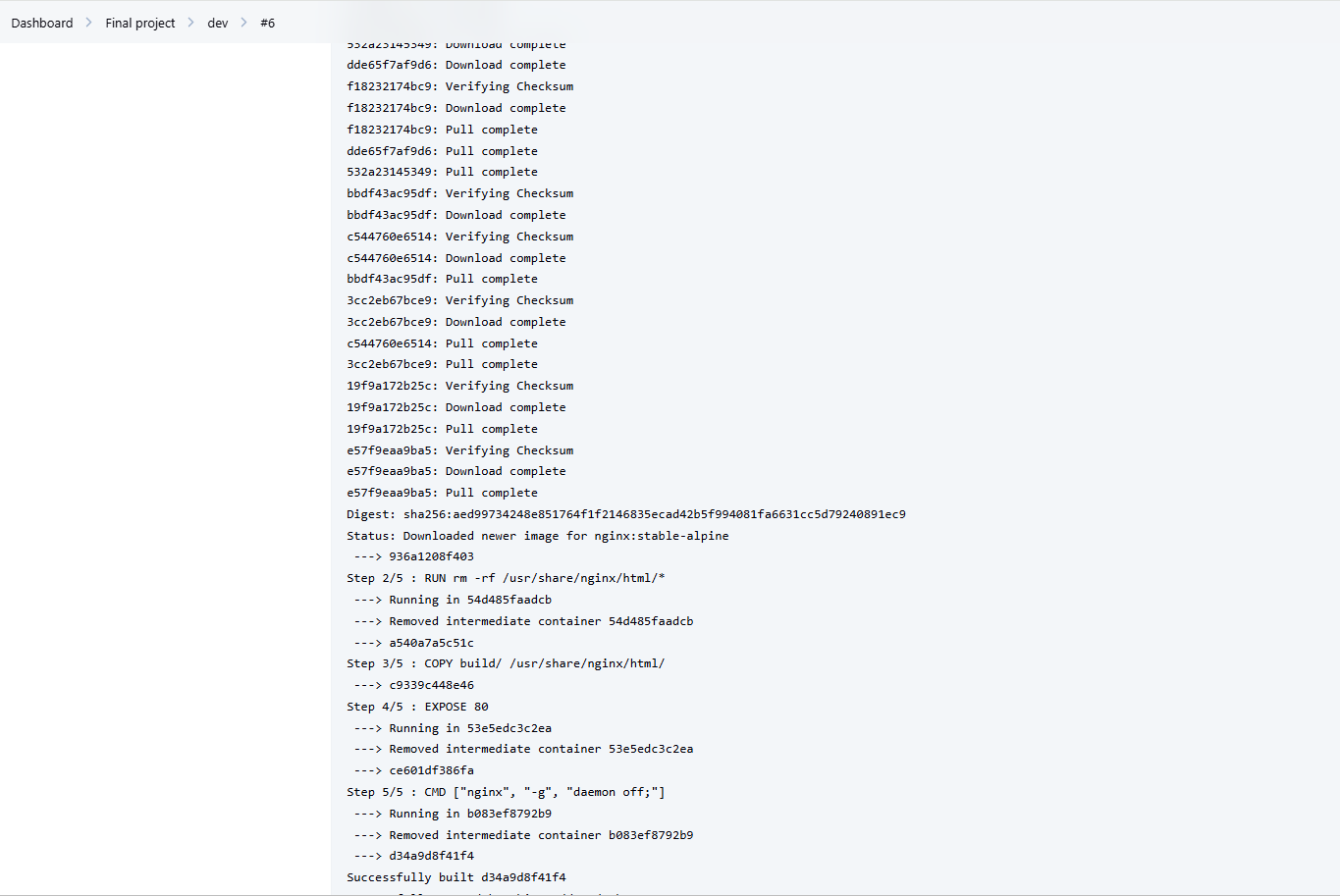


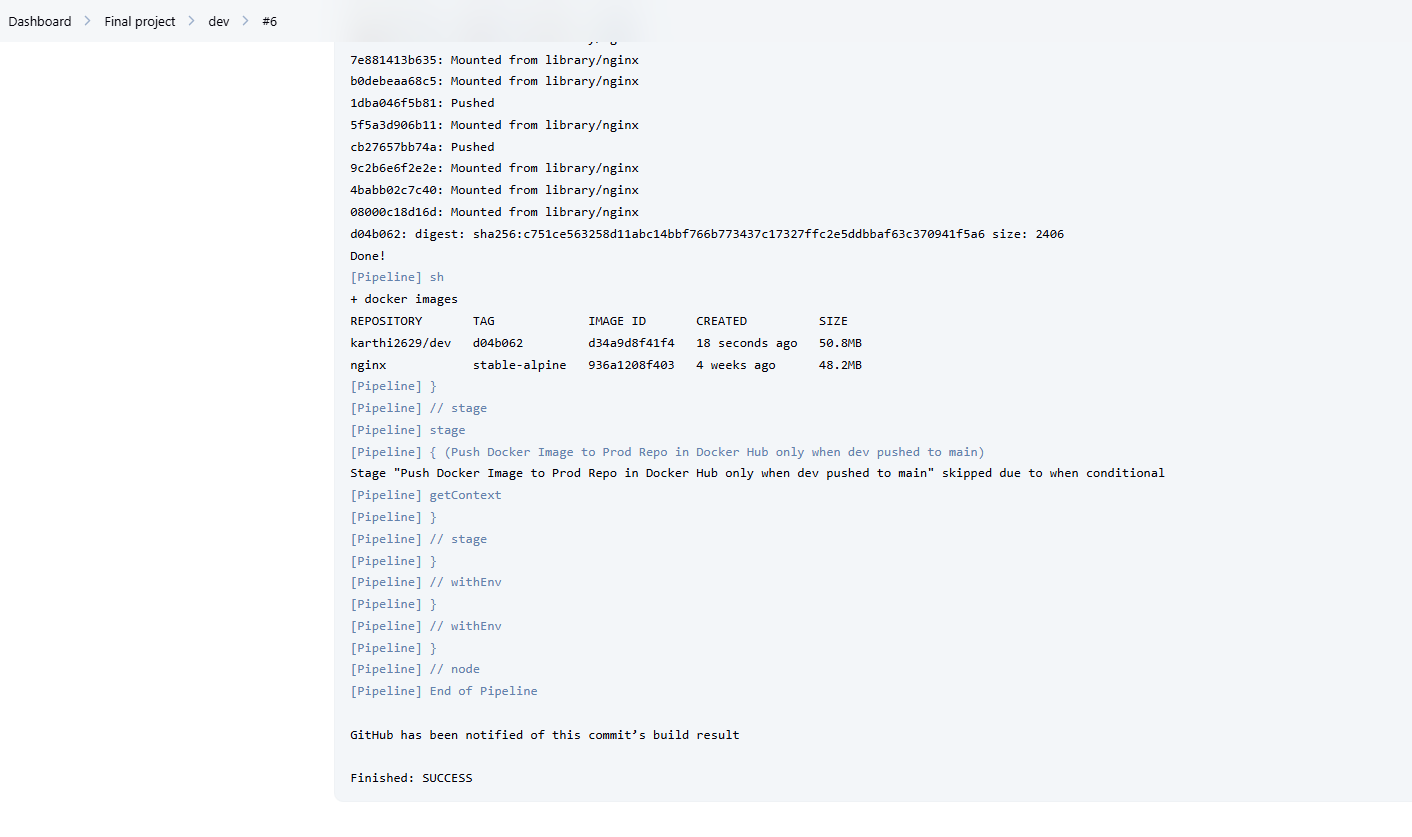


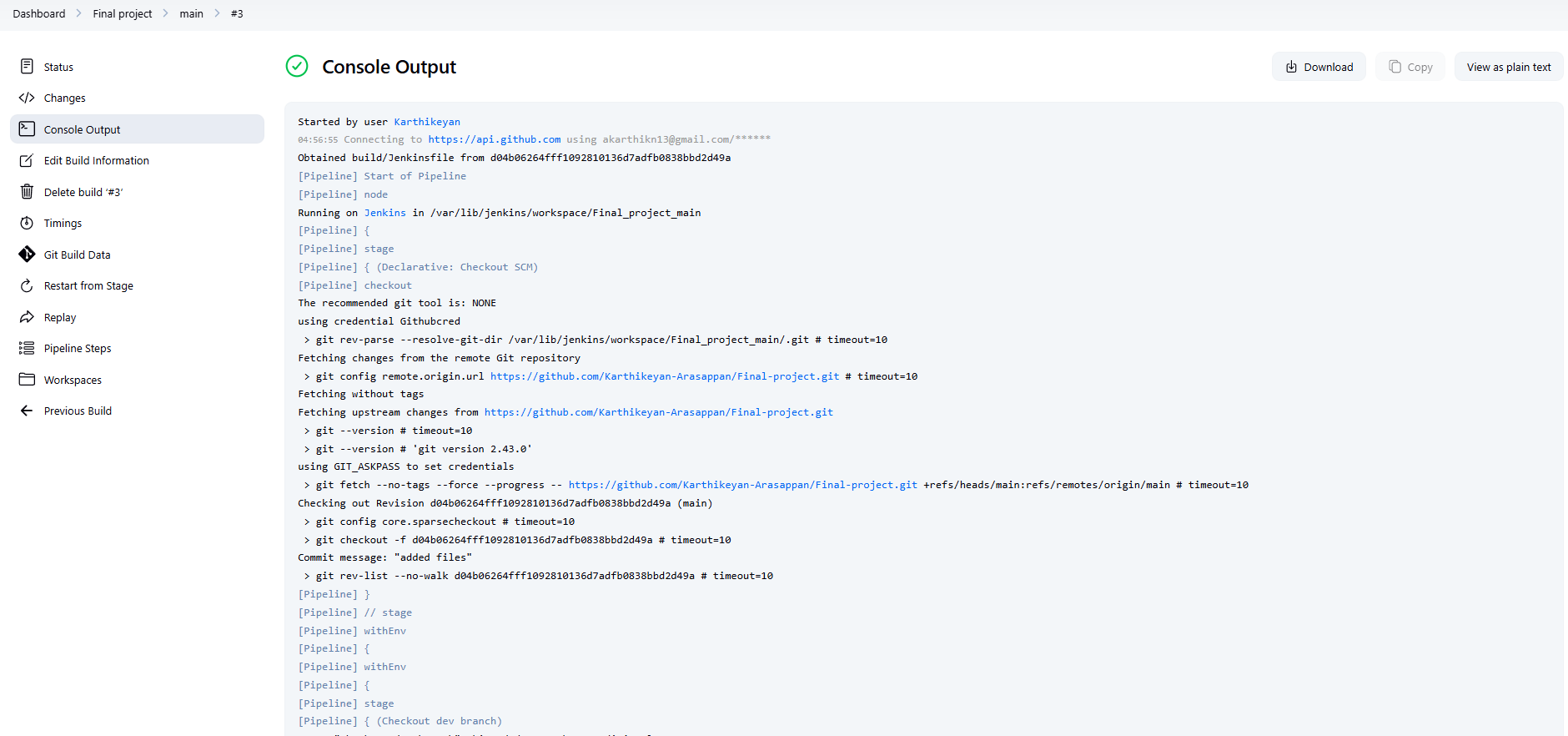


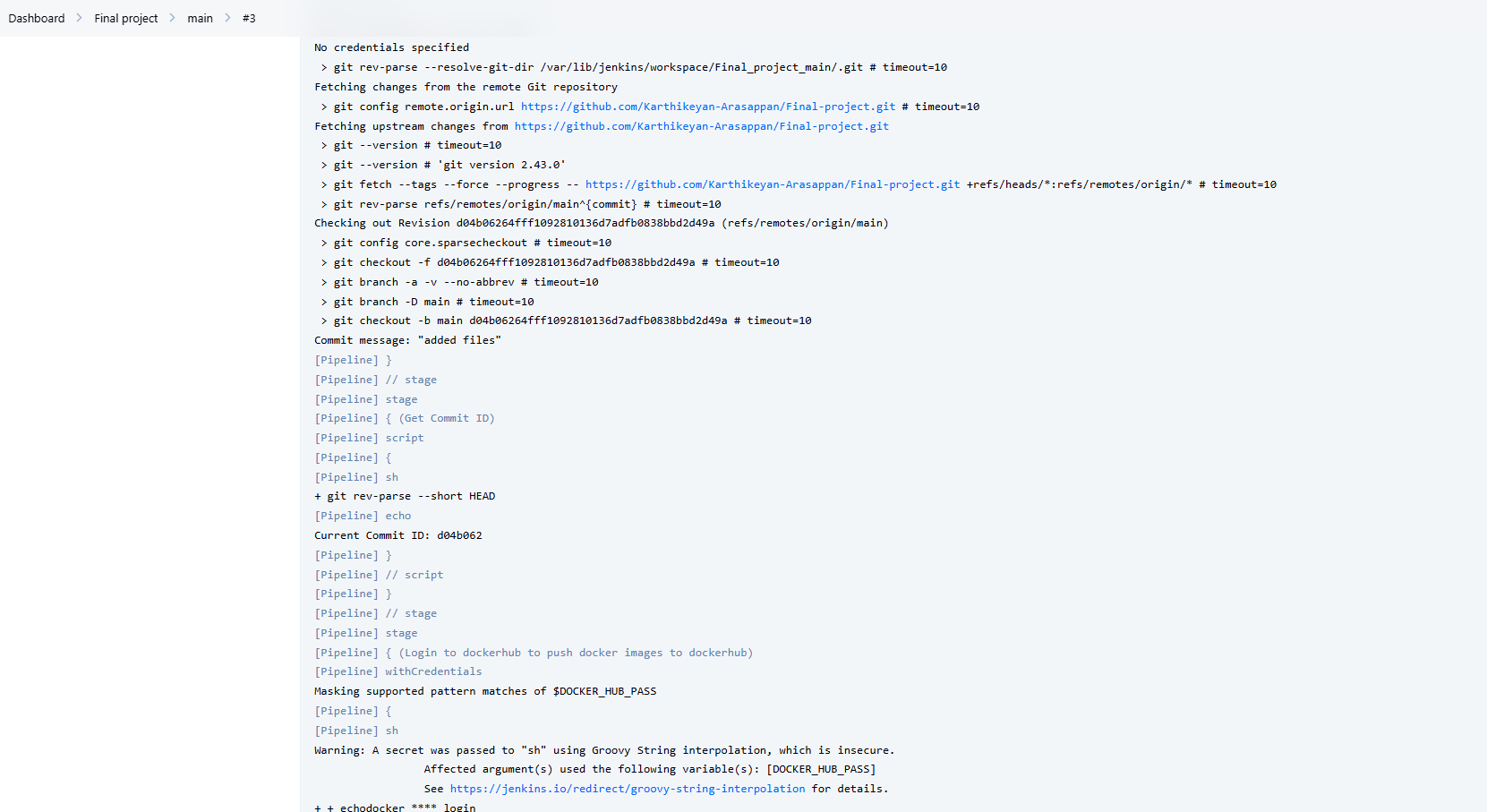


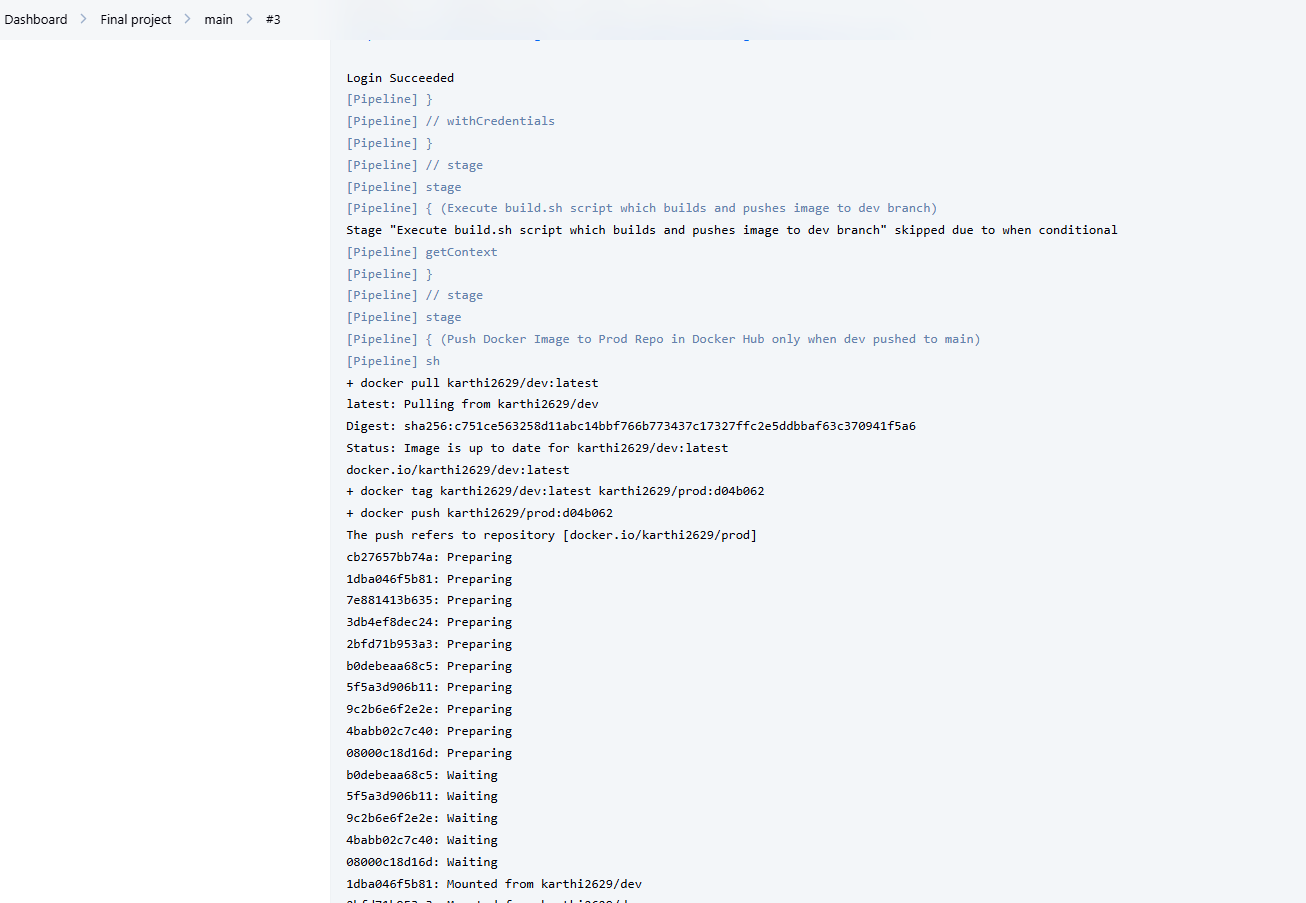


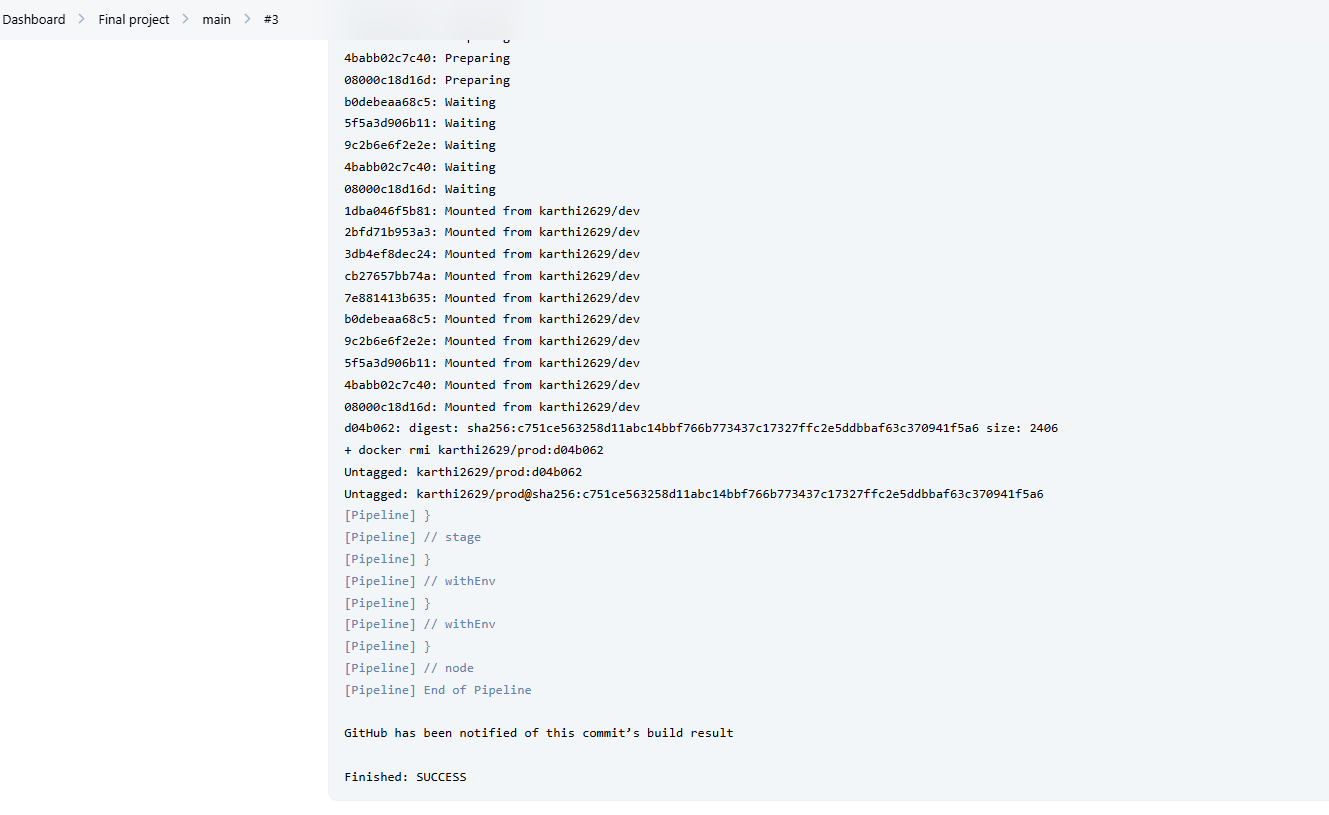


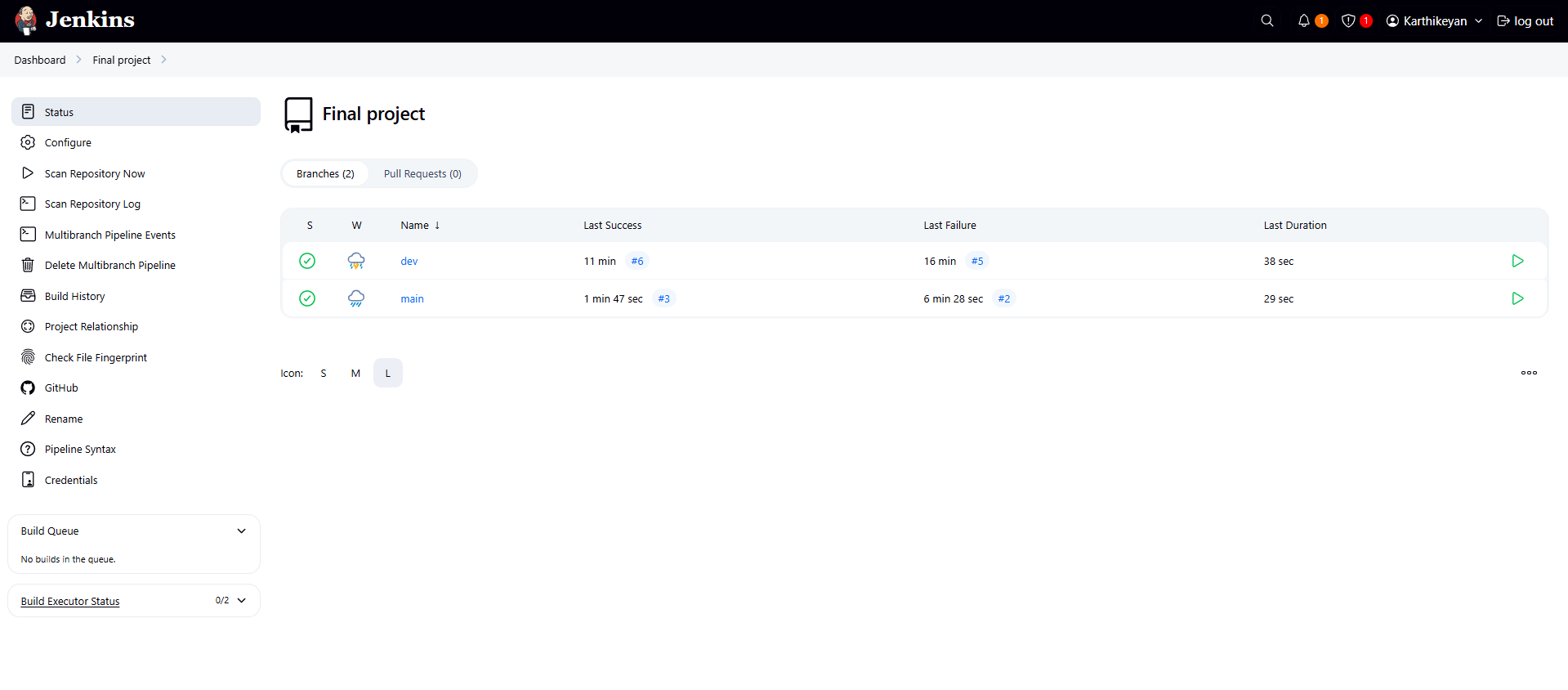








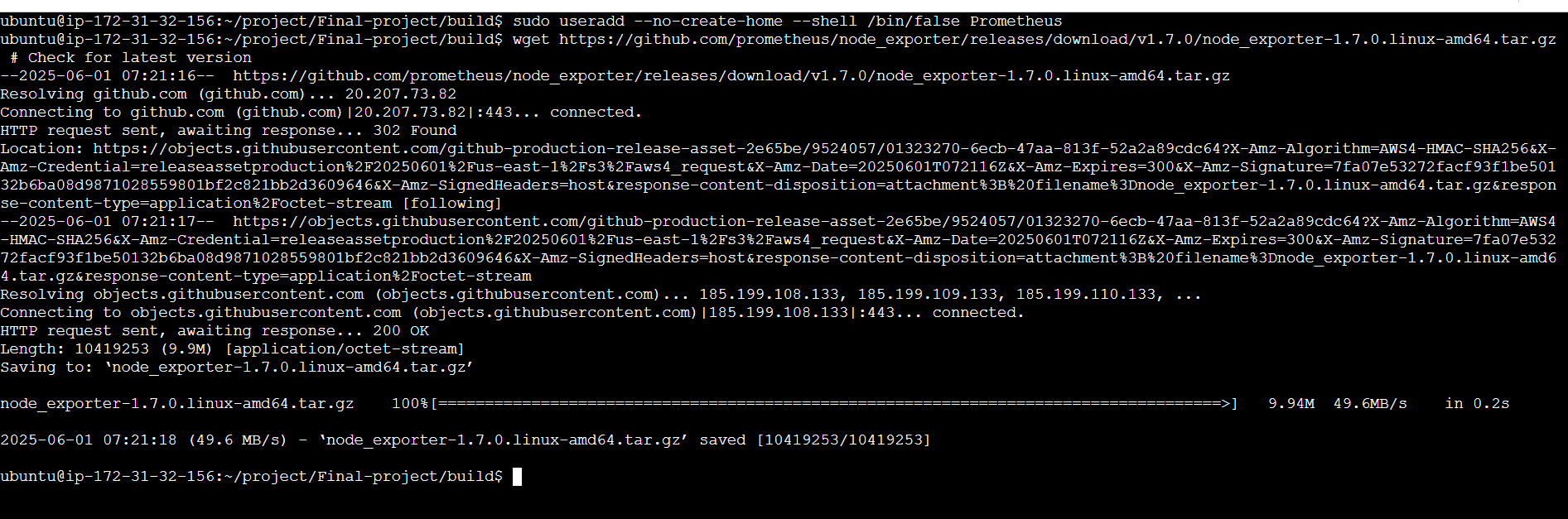




**Setup Monitoring for react-app**

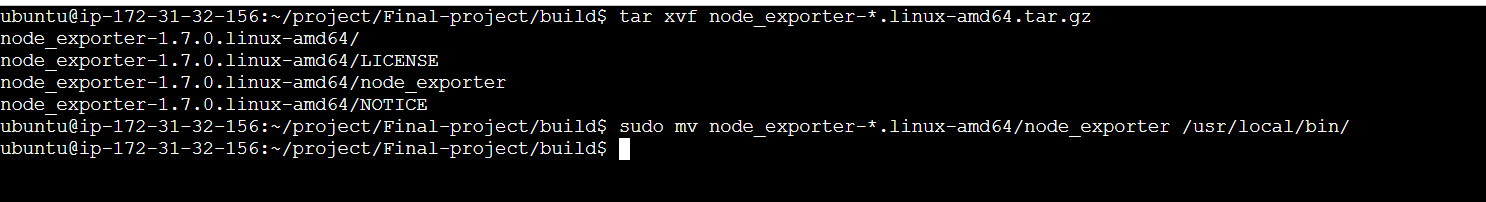
**sudo useradd --no-create-home --shell /bin/false Prometheus**

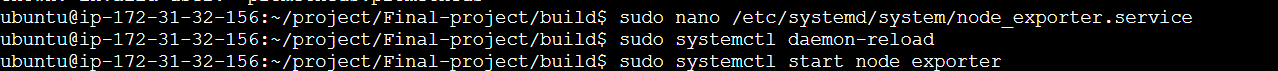
**wget https://github.com/prometheus/node\_exporter/releases/download/v1.7.0/node\_exporter-1.7.0.linux-amd64.tar.gz # Check for latest version**

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**tar xvf node\_exporter-\*.linux-amd64.tar.gz**

**sudo mv node\_exporter-\*.linux-amd64/node\_exporter /usr/local/bin/**

****

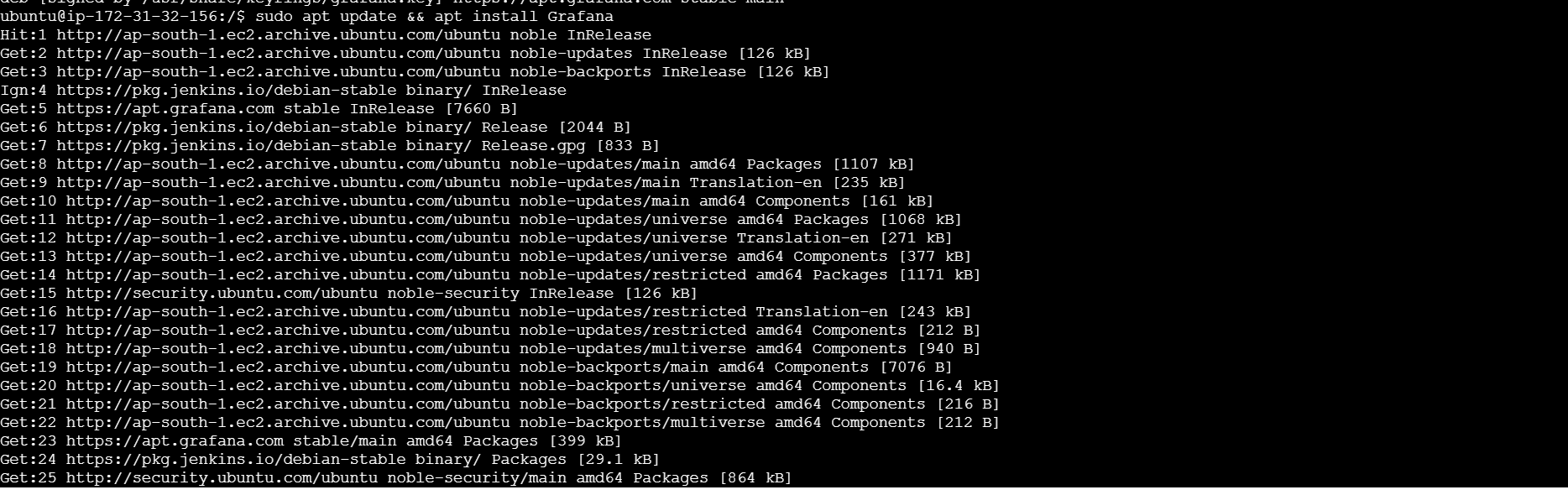
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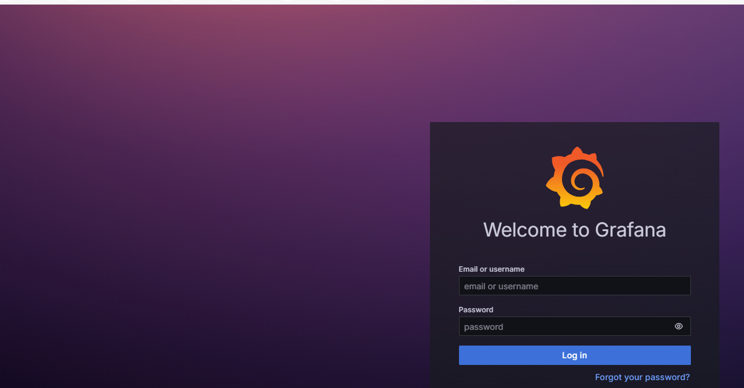
**Install Prometheus on the EC2 Instance**

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**Install Grafana on the EC2 Instance**

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A screenshot of a computer program

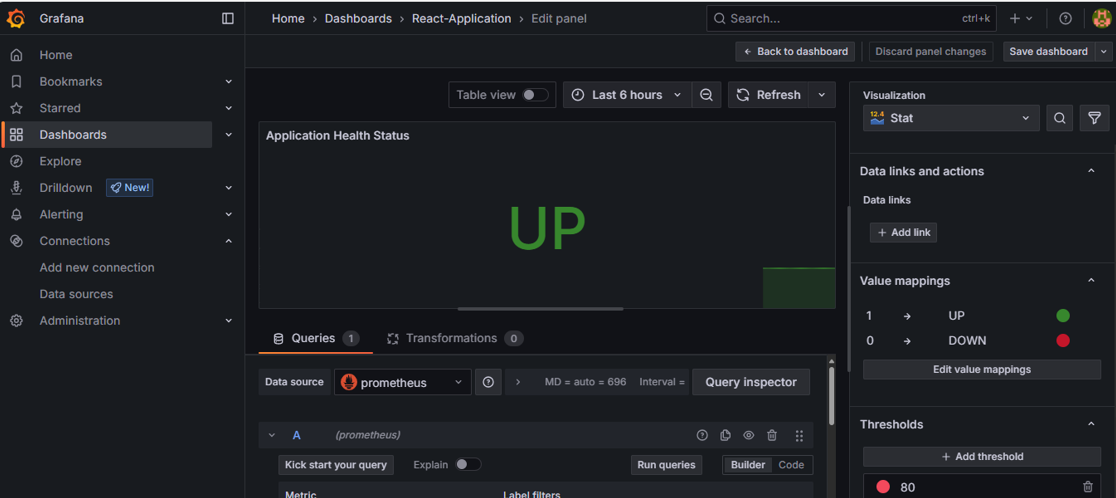
AI-generated content may be incorrect.

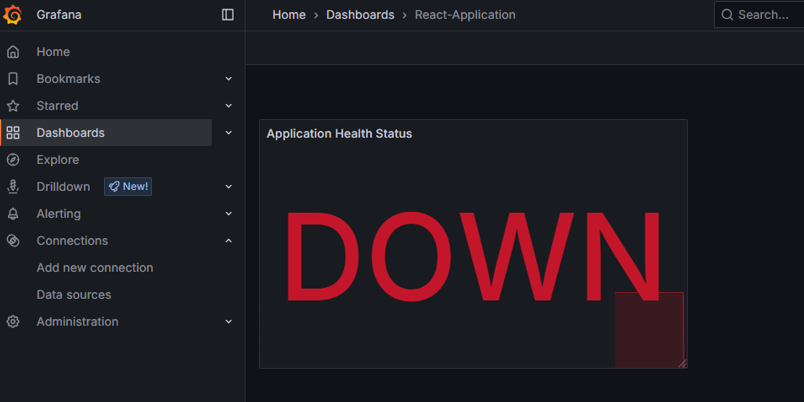
A screenshot of a computer

AI-generated content may be incorrect.

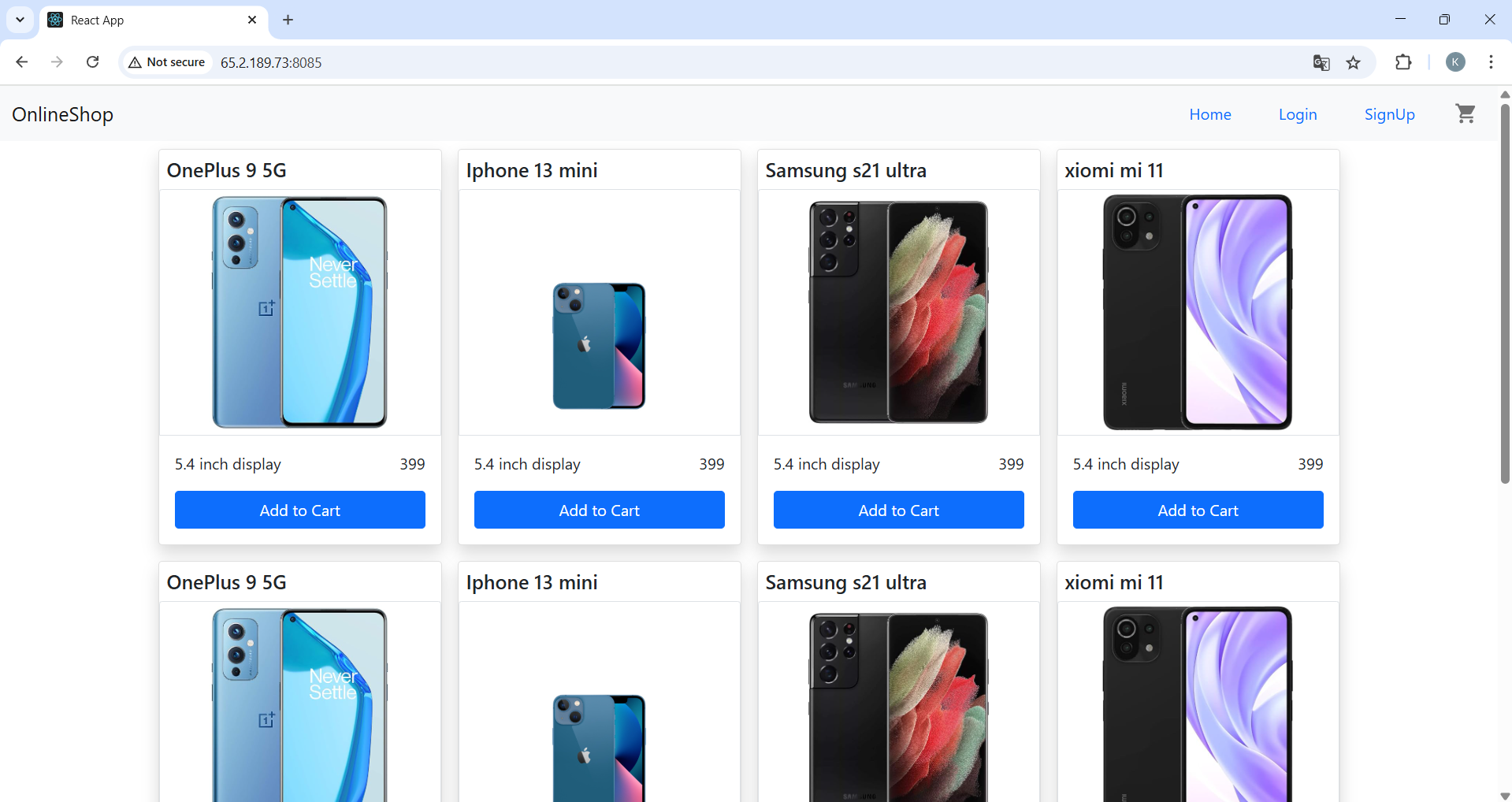
A screen shot of a computer

AI-generated content may be incorrect.

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**React app : http://65.2.189.73:8085/**

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