

1. git hub repo

<https://github.com/sarathakash/devops-guvi-capston-project.git>

deployed site url

<http://34.205.31.200/>

docker images name - ngin

```
ubuntu@ip-172-31-92-59:~$ sudo docker images
REPOSITORY              TAG                IMAGE ID           CREATED            SIZE
sarathakash95/prod      version-1          4017fc54fe94       7 minutes ago     101MB
nginx                   latest             4017fc54fe94       7 minutes ago     101MB
sarathakash95/prod      <none>             71449b4dfc98       10 minutes ago    101MB
sarathakash95/prod      <none>             fc63ae14d692       26 minutes ago    101MB
<none>                  <none>             49b5c52eb9e1       34 minutes ago    101MB
sarathakash95/prod      latest             03bf9681cf77       2 days ago        190MB
nginx                   latest             dde0cca083bc       3 weeks ago       188MB
```

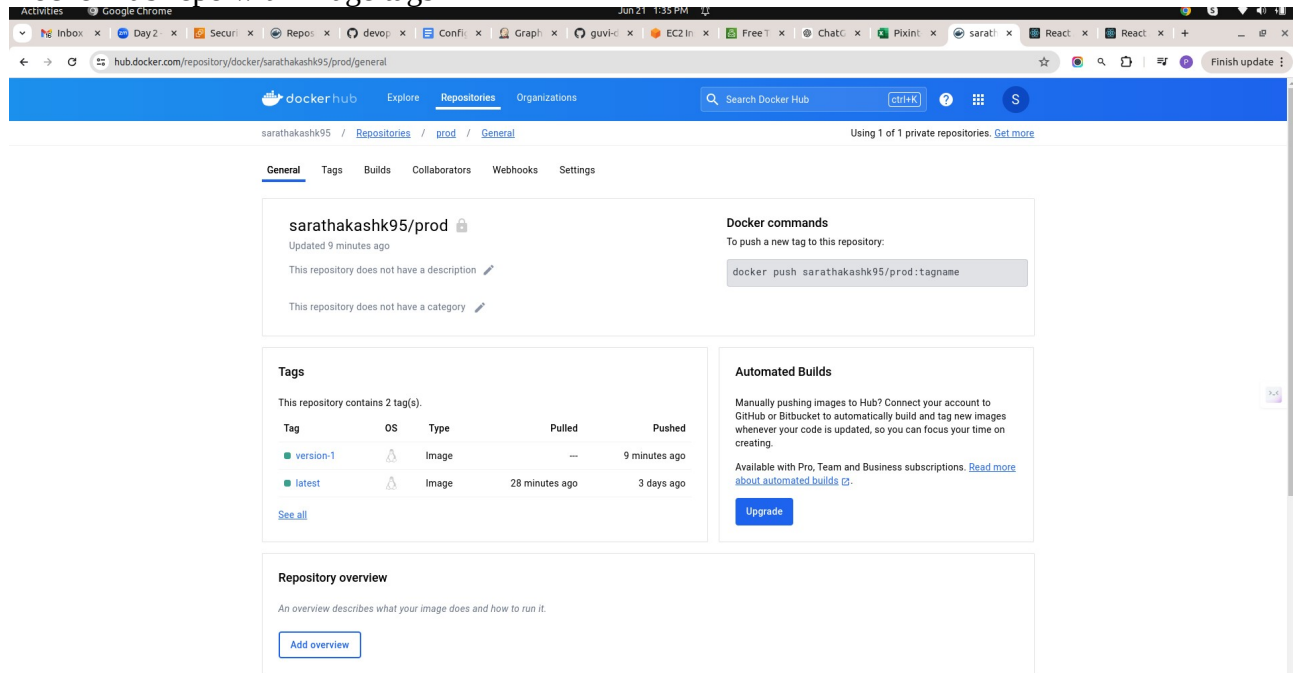
2. Aws ec2 console

The screenshot displays the AWS Management Console interface. The left sidebar shows navigation options like EC2 Dashboard, Events, and Instances. The main content area shows a list of EC2 instances. Two instances are listed: 'ec2-project' (ID: i-00780135082976a41) and 'EC2-monitoring' (ID: i-09d7601660eccb856). Both are in a 'Running' state. Below the list, the details for 'ec2-project' are expanded, showing information such as Instance ID, Public IP address (34.205.31.200), Private IP address (172.31.92.59), Instance state (Running), Hostname type, IP name, VPC ID, Subnet ID, and Instance ARN.

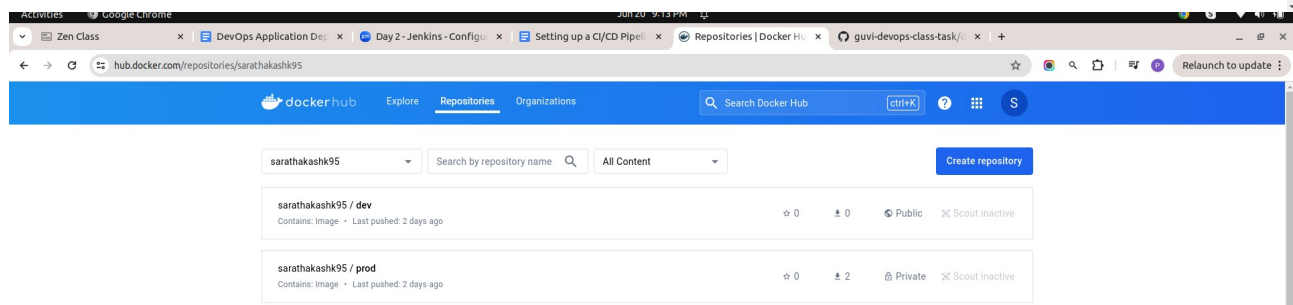
SG configuration

The screenshot shows the AWS Security Groups console. The 'Inbound rules (5)' section is active, displaying a table of inbound rules. The table has columns for Name, Security group rule, IP version, Type, Protocol, Port range, Source, and Description. Five rules are listed, all with a source of 0.0.0.0/0. The rules are: Custom TCP on port 8080, Custom TCP on port 3000, HTTP on port 80, HTTP on port 443, and SSH on port 22.

Docker hub repo with image tags

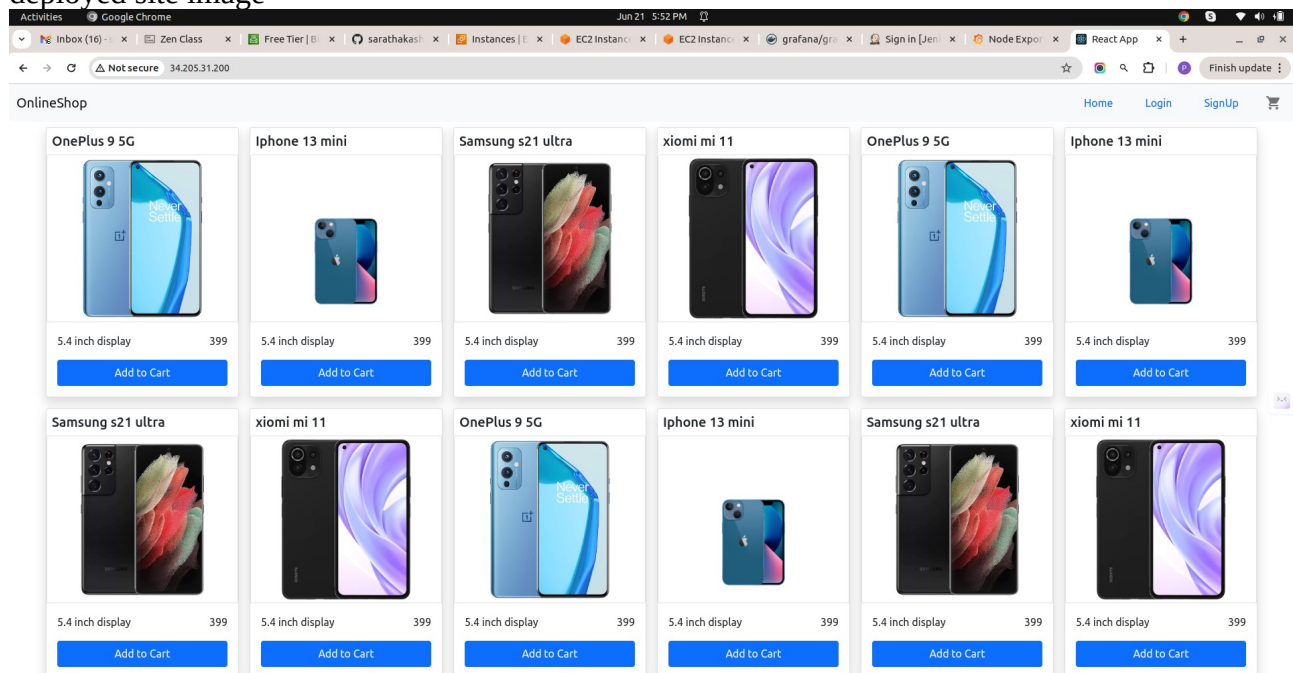


The screenshot shows the Docker Hub repository page for `sarathakash95/prod`. The page is titled "sarthakash95/prod" and indicates it was updated 9 minutes ago. It shows that the repository does not have a description or category. The "Tags" section lists two tags: `version-1` (pushed 9 minutes ago) and `latest` (pushed 3 days ago). The "Docker commands" section provides the command `docker push sarathakash95/prod:tagname`. The "Automated Builds" section explains how to connect GitHub or Bitbucket for automatic builds. The "Repository overview" section is currently empty, with a button to "Add overview".



The screenshot shows the Docker Hub repository list for the user `sarathakash95`. The list displays two repositories: `sarathakash95 / dev` and `sarathakash95 / prod`. Both repositories contain images and were last pushed 2 days ago. The `dev` repository is public, while the `prod` repository is private. A "Create repository" button is visible at the top right.

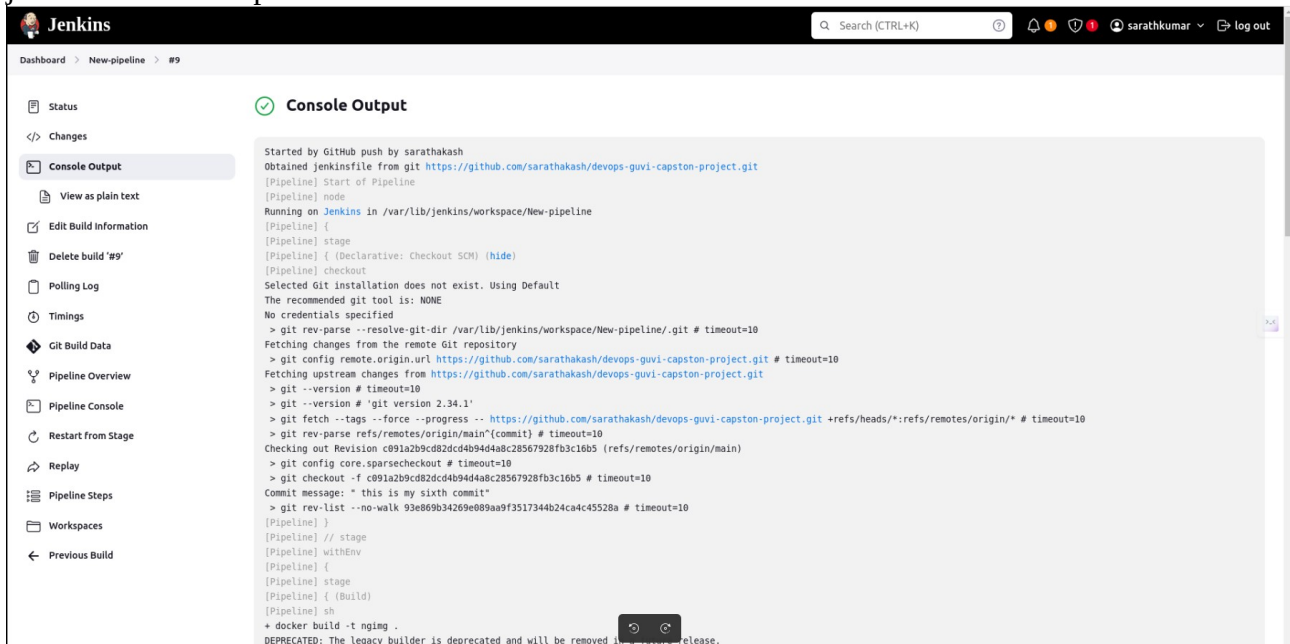
deployed site image



The screenshot shows the OnlineShop website displaying a grid of smartphones. The products are arranged in two rows of six. Each product card includes an image of the phone, its name, a "5.4 inch display" specification, a price of 399, and an "Add to Cart" button. The products shown are:

- OnePlus 9 5G
- Iphone 13 mini
- Samsung s21 ultra
- xiami mi 11
- OnePlus 9 5G
- Iphone 13 mini
- Samsung s21 ultra
- xiami mi 11
- OnePlus 9 5G
- Iphone 13 mini
- Samsung s21 ultra
- xiami mi 11

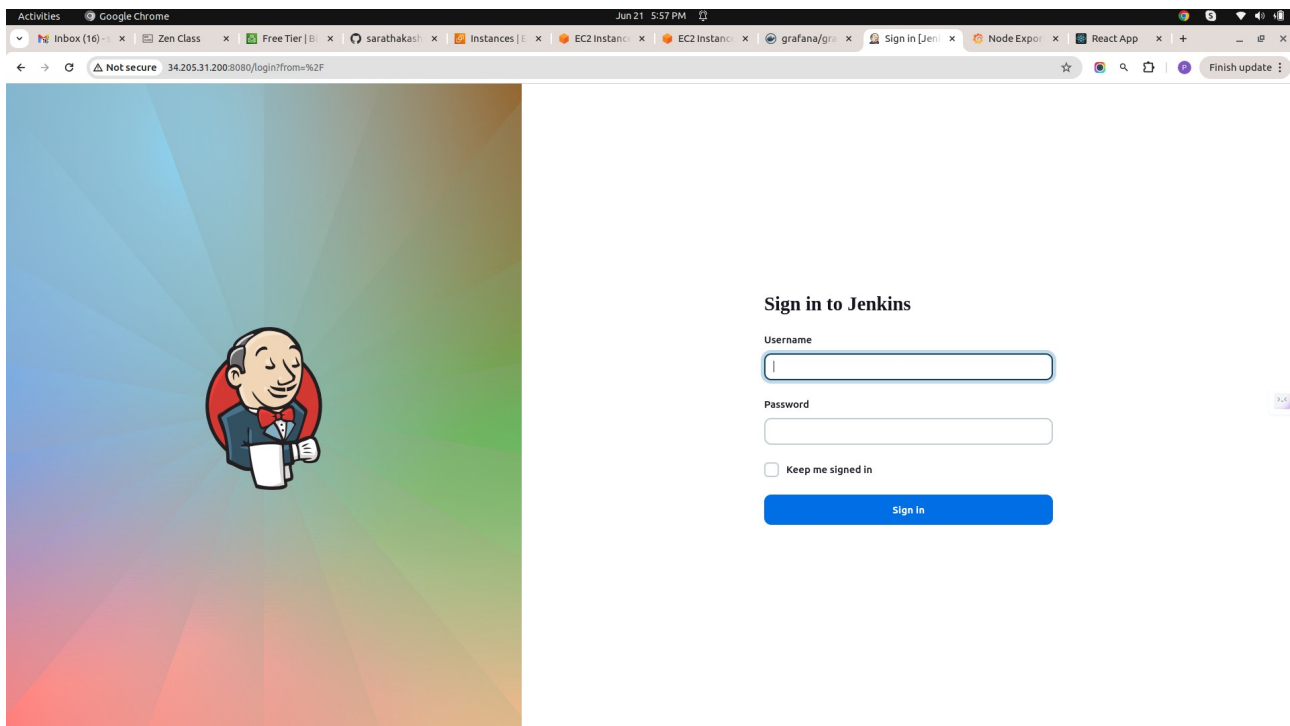
jenkins console output



The screenshot shows the Jenkins web interface. The left sidebar contains navigation links: Status, Changes, Console Output (selected), View as plain text, Edit Build Information, Delete build '#9', Polling Log, Timings, Git Build Data, Pipeline Overview, Pipeline Console, Restart from Stage, Replay, Pipeline Steps, Workspaces, and Previous Build. The main area displays the 'Console Output' for a build triggered by a GitHub push. The output text is as follows:

```
Started by GitHub push by sarathakash
Obtained jenkinsfile from git https://github.com/sarathakash/devops-guvi-capston-project.git
[Pipeline] Start of Pipeline
[Pipeline] node
Running on Jenkins in /var/lib/jenkins/workspace/New-pipeline
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Declarative: Checkout SCM) (hide)
[Pipeline] checkout
Selected Git installation does not exist. Using Default
The recommended git tool is: NONE
No credentials specified
> git rev-parse --resolve-git-dir /var/lib/jenkins/workspace/New-pipeline/.git # timeout=10
Fetching changes from the remote Git repository
> git config remote.origin.url https://github.com/sarathakash/devops-guvi-capston-project.git # timeout=10
Fetching upstream changes from https://github.com/sarathakash/devops-guvi-capston-project.git
> git --version # timeout=10
> git fetch --tags --force --progress -- https://github.com/sarathakash/devops-guvi-capston-project.git +refs/heads/*:refs/remotes/origin/* # timeout=10
> git rev-parse refs/remotes/origin/main^{commit} # timeout=10
Checking out Revision c091a2b9cd82cd4b94d4a8c28567928fb3c16b5 (refs/remotes/origin/main)
> git config core.sparsecheckout # timeout=10
> git checkout -f c091a2b9cd82cd4b94d4a8c28567928fb3c16b5 # timeout=10
Commit message: " this is my sixth commit"
> git rev-list --no-walk 93e869b34269e089a9f3517344b24ca4c45528a # timeout=10
[Pipeline] }
[Pipeline] // stage
[Pipeline] withEnv
[Pipeline] {
[Pipeline] stage
[Pipeline] { (Build)
[Pipeline] sh
+ docker build -t nging .
DEPRECATED: The legacy builder is deprecated and will be removed in a future release.
```

jenkins login page



The screenshot shows the Jenkins login page in a web browser. The browser's address bar shows the URL '34.205.31.200:8080/login?from=%2F'. The page features the Jenkins logo (a cartoon man in a suit) on the left. On the right, there is a 'Sign in to Jenkins' section with the following form:


Sign in to Jenkins

Username






Password

☐ Keep me signed in

jenkins pipeline output


 **Jenkins**


Search (CTRL+K)


    sarathkumar  log out


Dashboard >


+ New Item

 Build History

 Project Relationship

 Check File Fingerprint

 Manage Jenkins

 My Views

Build Queue



No builds in the queue.

Build Executor Status


1 Idle



2 Idle

All +


S	W	Name	Last Success	Last Failure	Last Duration
		New-pipeline	6 min 2 sec #9	8 min 52 sec #8	12 sec

Icon: S M L






 REST API


REST API Jenkins 2.452.2


 **Jenkins**


Search (CTRL+K)


    sarathkumar  log out

Dashboard > New-pipeline > #9 > Pipeline Overview


 < Build #9

 Rebuild


 Console


 Configure


Pipeline






Details

 Started 6 min 22 sec ago

 Queued 7.4 sec

 Took 12 sec

 REST API





 

REST API Jenkins 2.452.2

Jenkins configuration

Jenkins

Search (CTRL+K)

 sarathkumar  log out

Dashboard > New-pipeline > Configuration

Configure


General

Advanced Project Options

Pipeline


General

Description

Enabled 

Description


Plain text [Preview](#)

☐ Discard old builds 


☐ Do not allow concurrent builds


☐ Do not allow the pipeline to resume if the controller restarts


☒ GitHub project


Project uri 


https://github.com/sarathakash/devops-guvi-capston-project-git/

Advanced 

☐ Pipeline speed/durability override 



☐ Preserve stashes from completed builds 

☐ This project is parameterized 

☐ Throttle builds 

Save

Apply



Dashboard > New-pipeline > Configuration

Configure

General

Advanced Project Options

Pipeline


General


Build Triggers


Advanced Project Options


Pipeline


Build Triggers

☐ Preserve stashes from completed builds 


☐ This project is parameterized 


☐ Throttle builds 


☐ Build after other projects are built 


☐ Build periodically 


☐ GitHub Branches

☐ GitHub Pull Requests 


☒ GitHub hook trigger for GITScm polling 

☐ Poll SCM 

☐ Quiet period 


☐ Trigger builds remotely (e.g., from scripts) 

Advanced Project Options

Advanced 



Pipeline

Definition

Pipeline script from SCM 

Save

Apply



Dashboard > New-pipeline > Configuration

Configure

General

Advanced Project Options

Pipeline

pipeline

Definition

Pipeline script from SCM

SCM ?

Git

Repositories ?

Repository URL ?

https://github.com/sarathakash/devops-guvi-capston-project.git

Credentials ?

- none -

+ Add

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Dashboard > New-pipeline > Configuration

Configure

General

Advanced Project Options

Pipeline

Advanced

Add Repository

Branches to build ?

Branch Specifier (blank for 'any') ?

*/main

Add Branch

Repository browser ?

(Auto)

Additional Behaviours

Add

Script Path ?

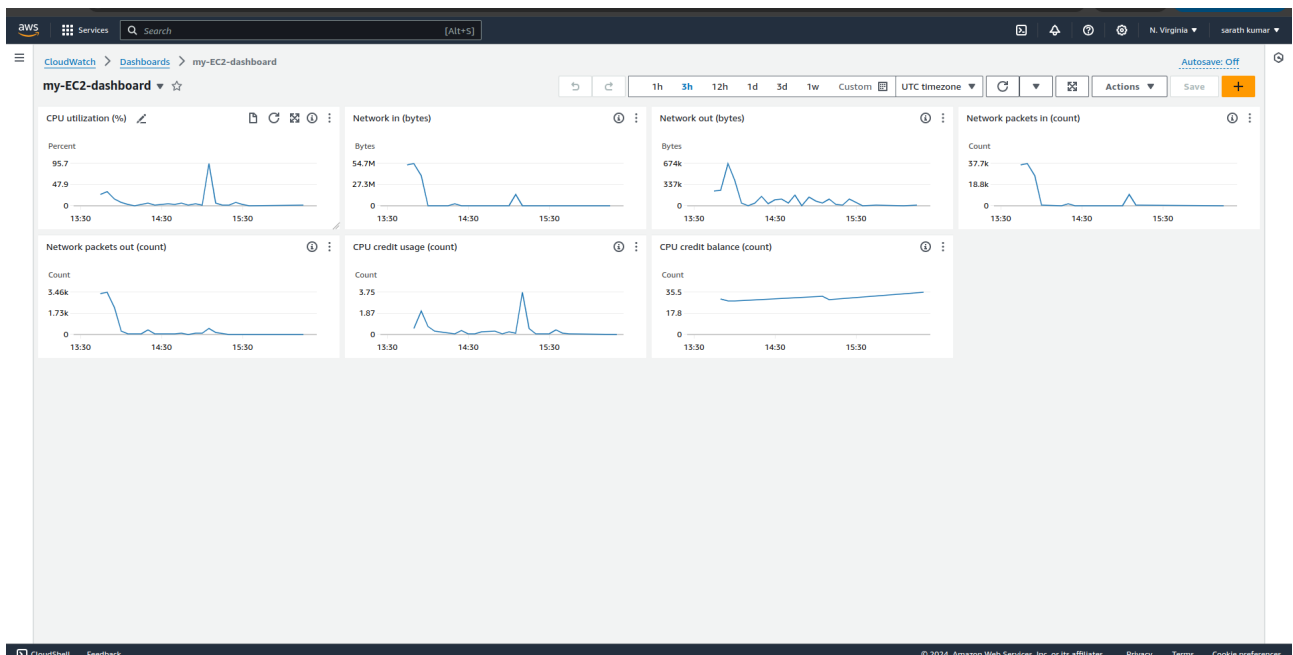
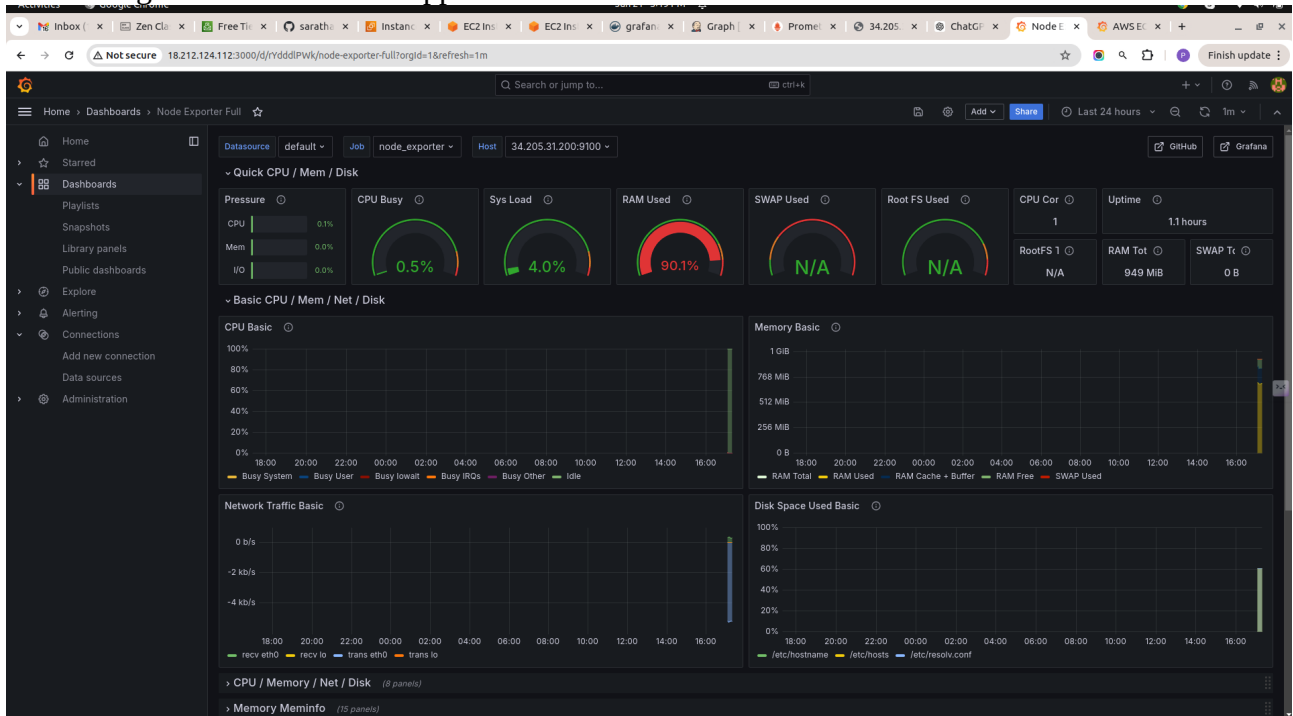
jenkinsfile

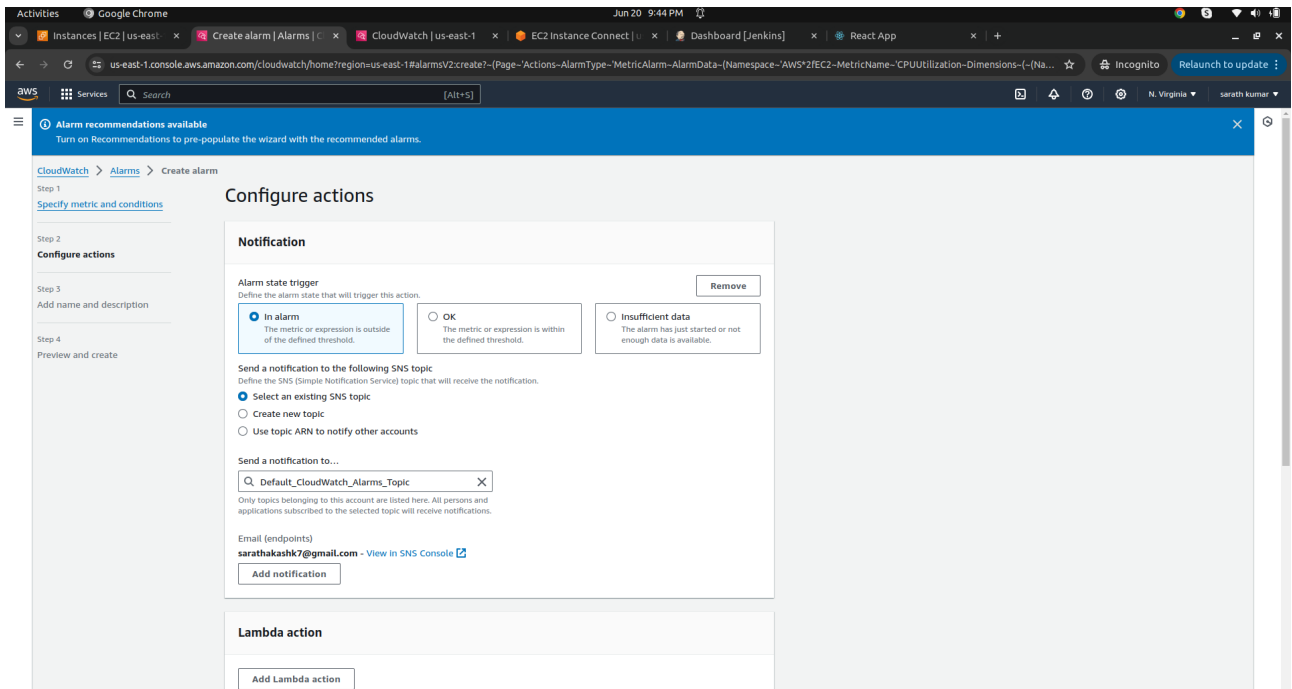
☒ Lightweight checkout ?

[Pipeline Syntax](#)

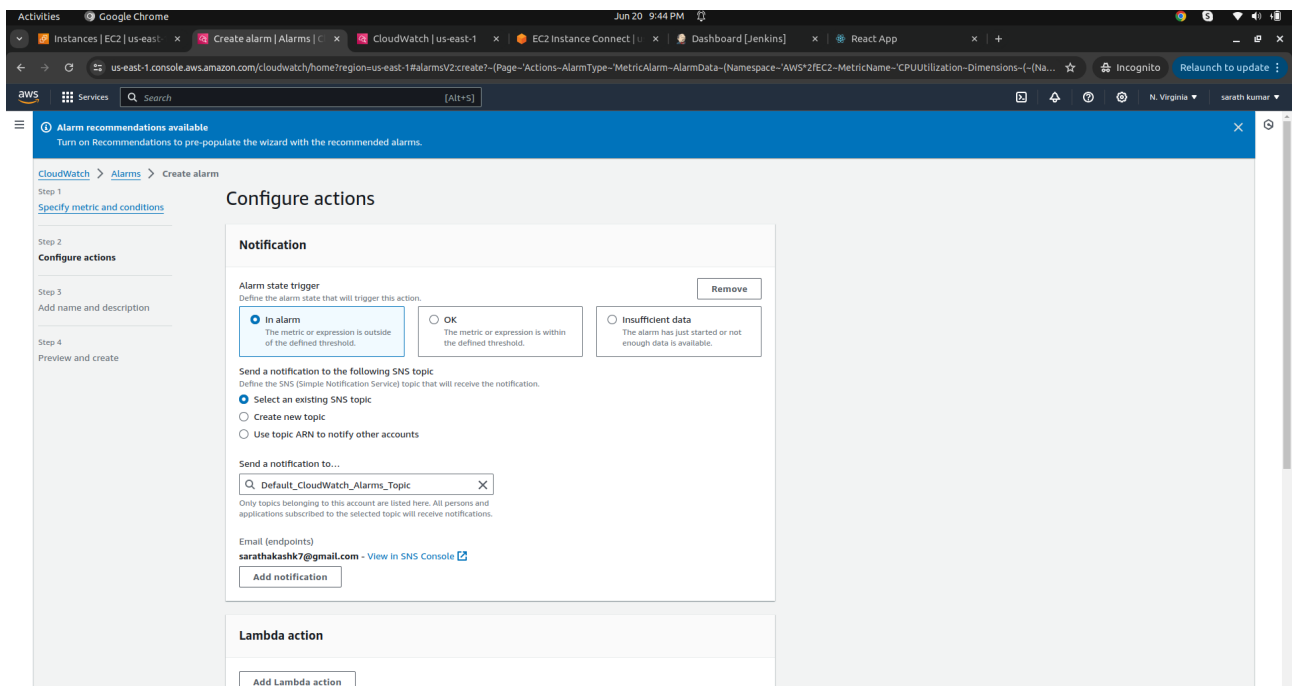
Save Apply

Monitoring health status of the application





Email-notification-alarm



CloudWatch > Alarms > Create alarm

Step 1
Specify metric and conditions

Step 2
Configure actions

Step 3
Add name and description

Step 4
Preview and create

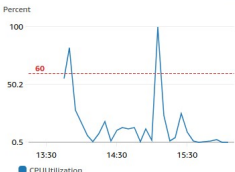
Preview and create

Step 1: Specify metric and conditions

Metric

Graph

This alarm will trigger when the blue line goes above the red line for 1 datapoints within 5 minutes.



Percent

100

60

50.2

0.5

13:30 14:30 15:30

CPUUtilization

Namespace

AWS/EC2

Metric name

CPUUtilization

InstanceId

i-Oec53141b8c51bde4

Instance name

EC2-server

Statistic

Maximum

Period

5 minutes