APPLICATION DEPLOYMENT

GIT REPO LINK: https://github.com/sriram-jagadeesan/devops-capstone.git

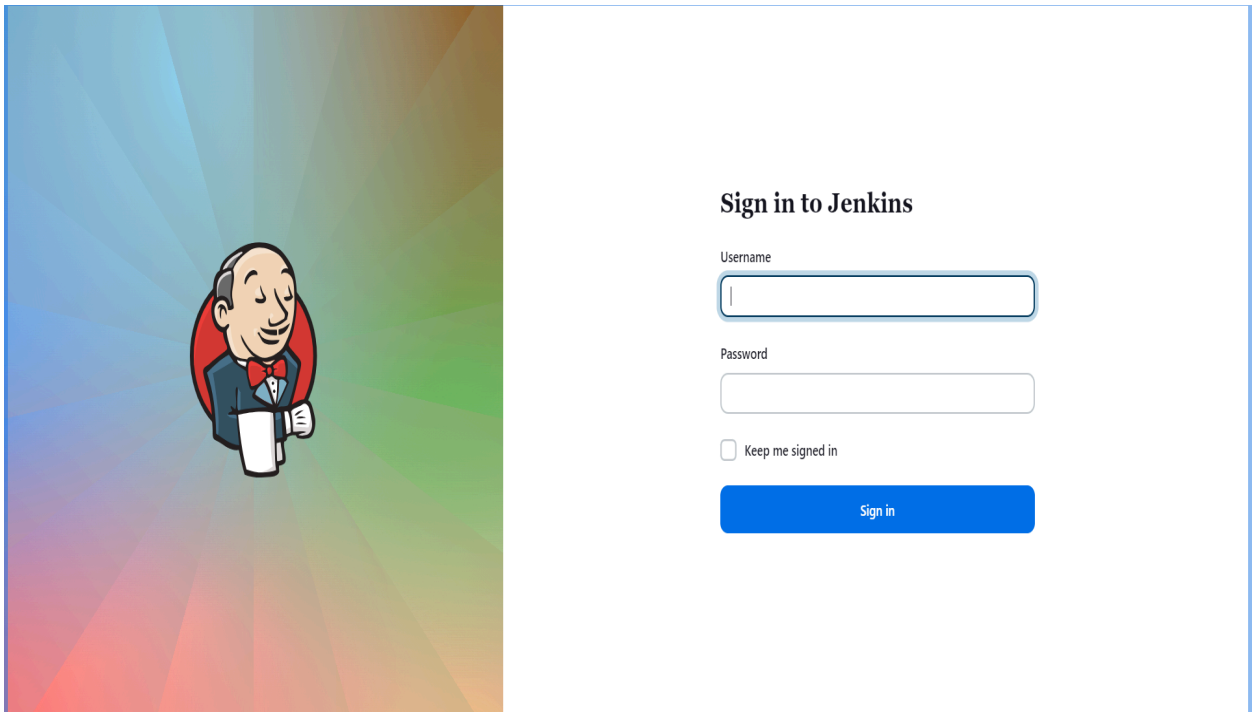
DEPLOYED URL: **http://13.201.28.16/**

DOCKER IMG NAME: reactjs

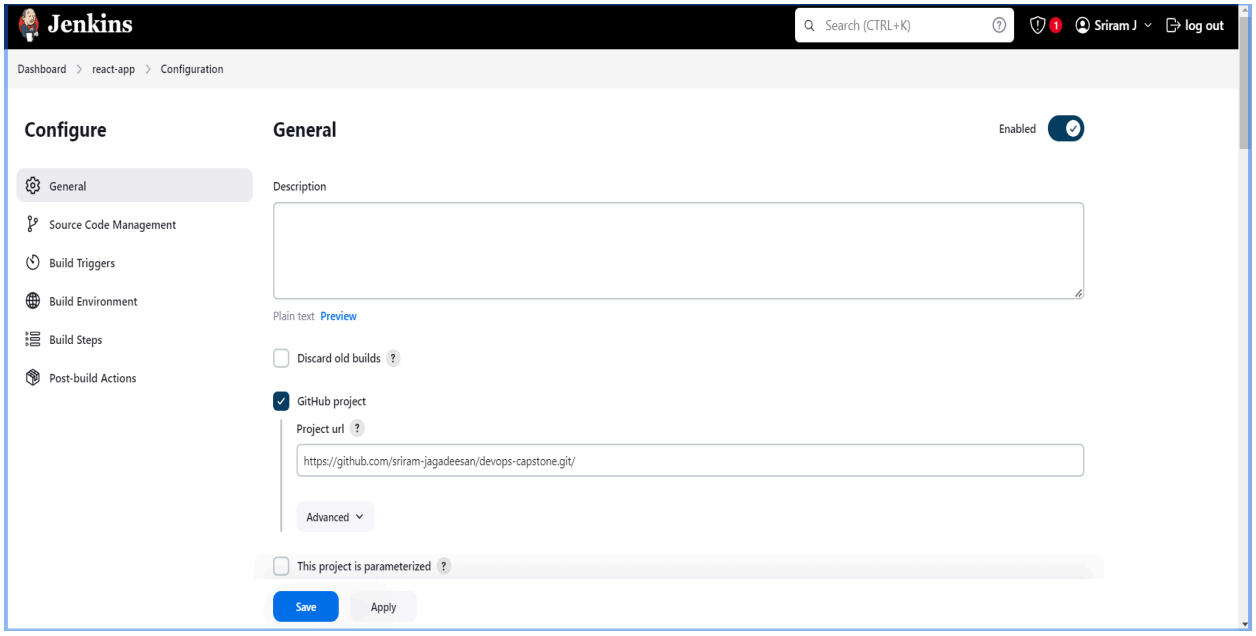
DOCKERISING THE APPLICATION BY DOCKERFILE

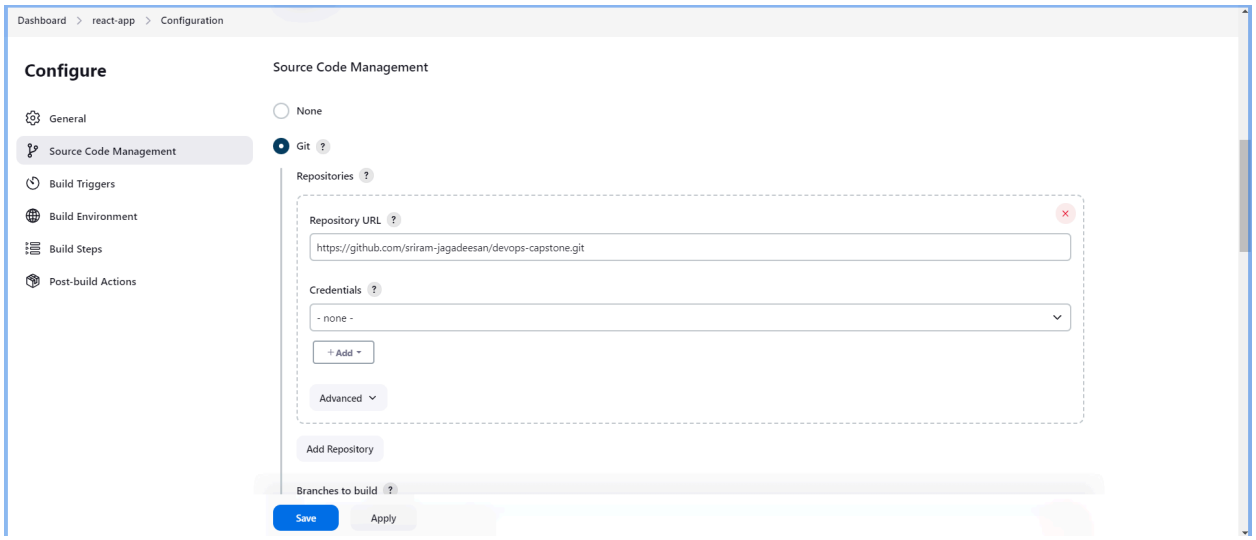
```
ubuntu@ip-172-31-35-219:~/devops-capstone$ sudo docker images
REPOSITORY   TAG       IMAGE ID       CREATED         SIZE
reactjs      latest    2f3384d675b5   13 seconds ago   59.7MB
nginx        alpine    70ea0d8cc530   7 days ago       48.3MB
```

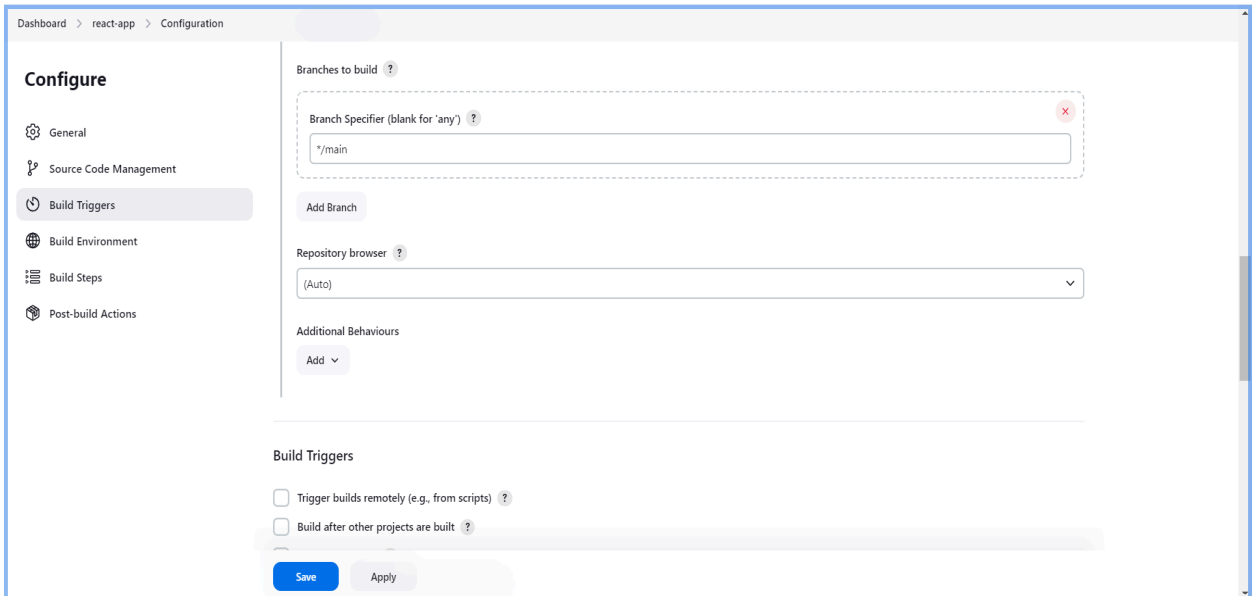
JENKINS-LOGIN

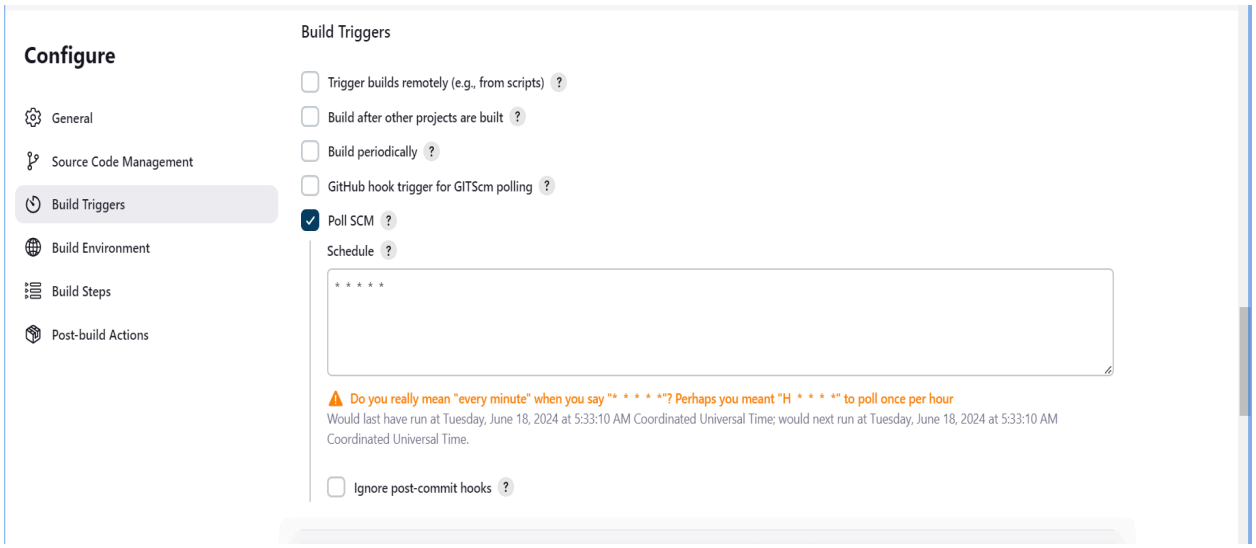


CONFIGURATION SETTING

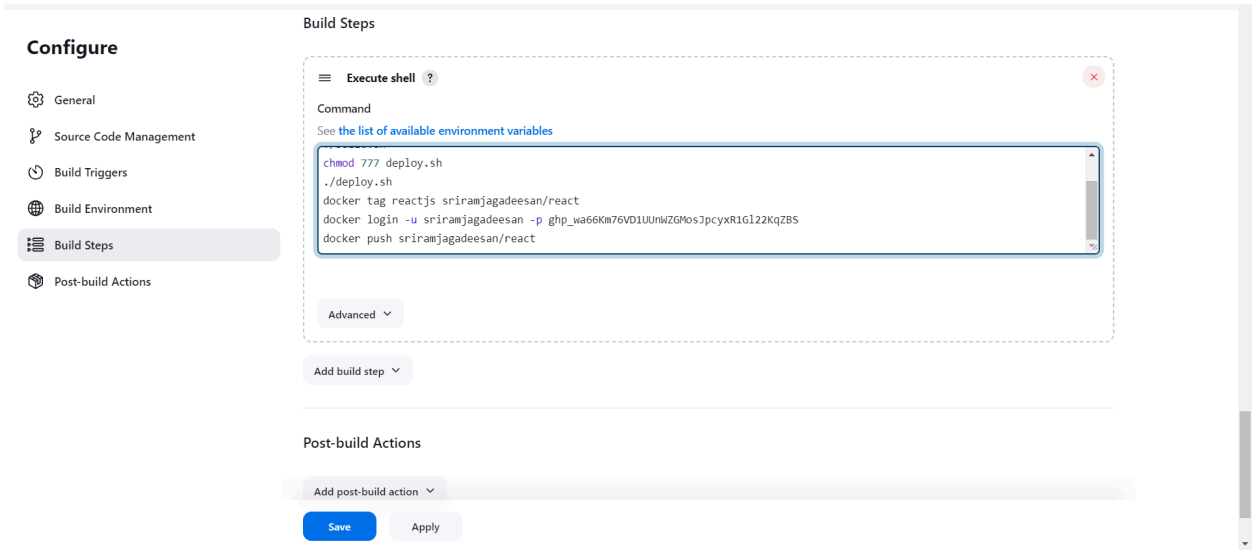




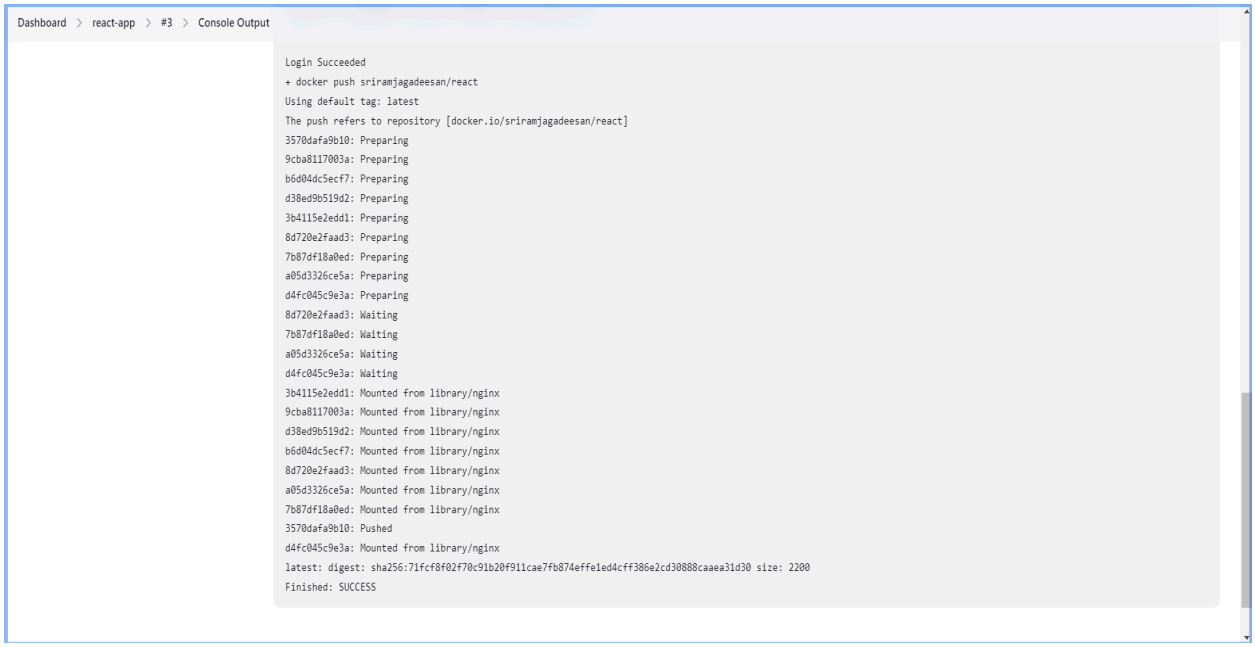




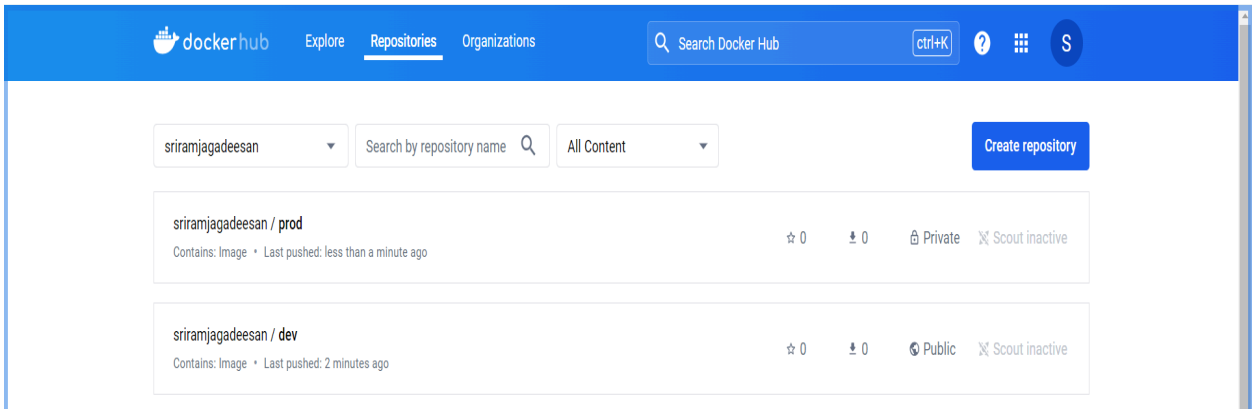
EXECUTE STEPS



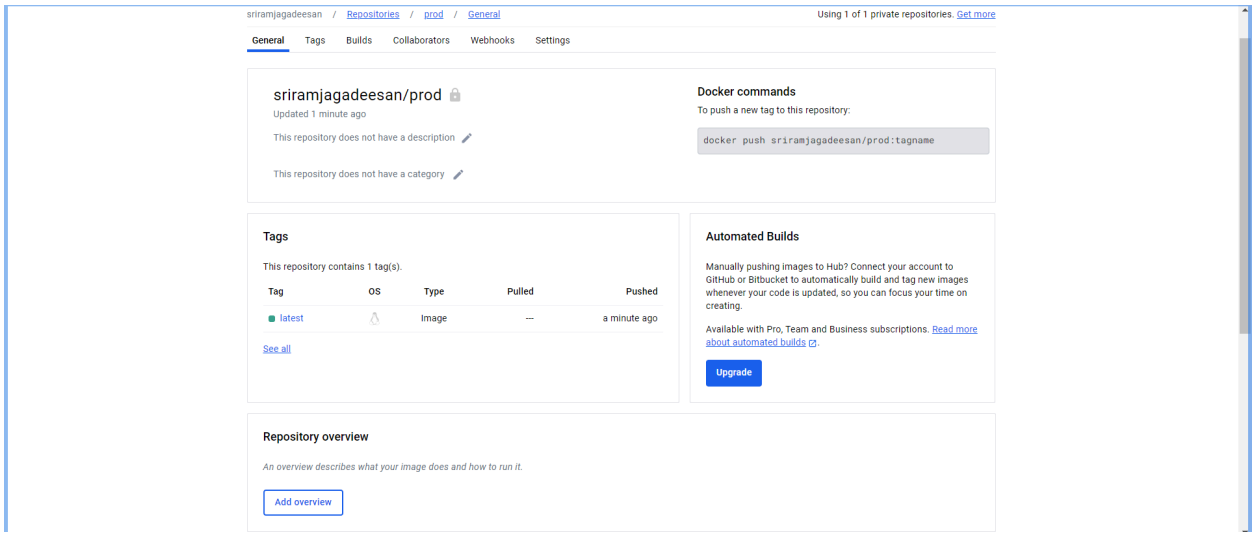
OUTPUT-DEPLOYED THE APPLICATION SUCCESSFULLY



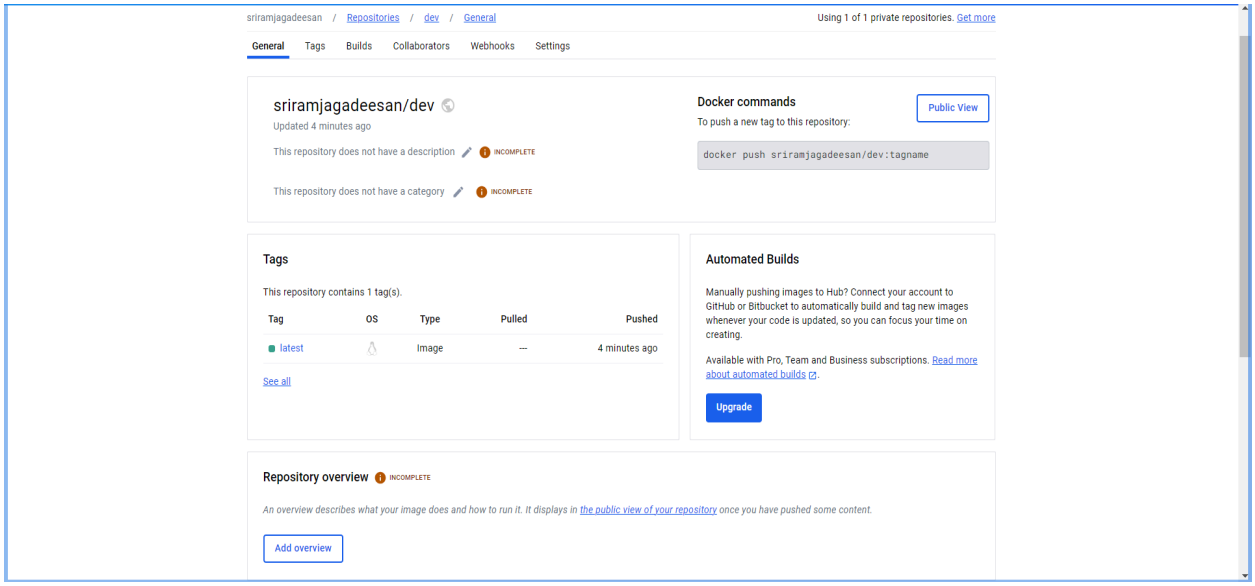
DOCKERHUB REPOSITORY



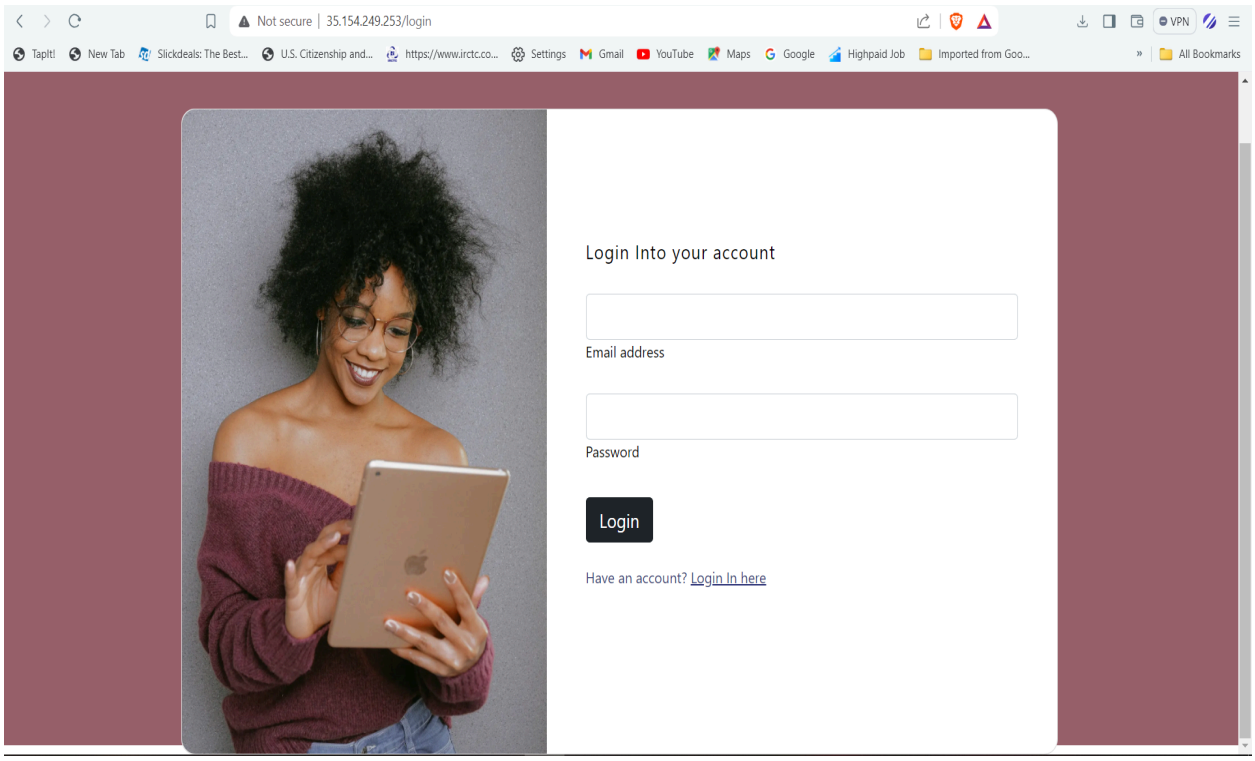
PRODUCTION REPO

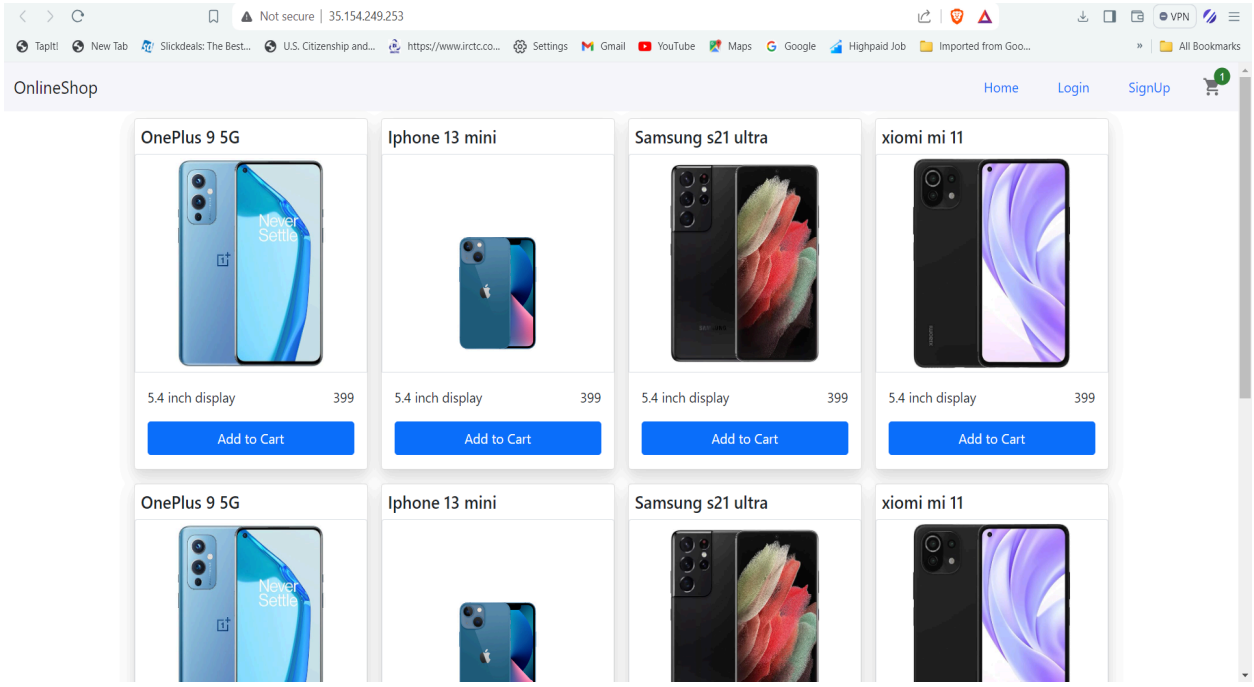


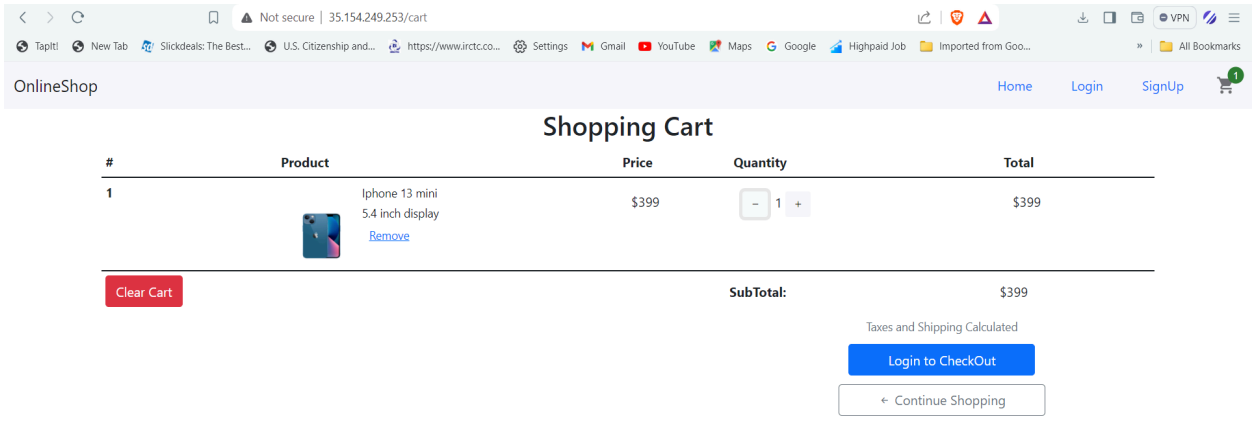
DEV REPO



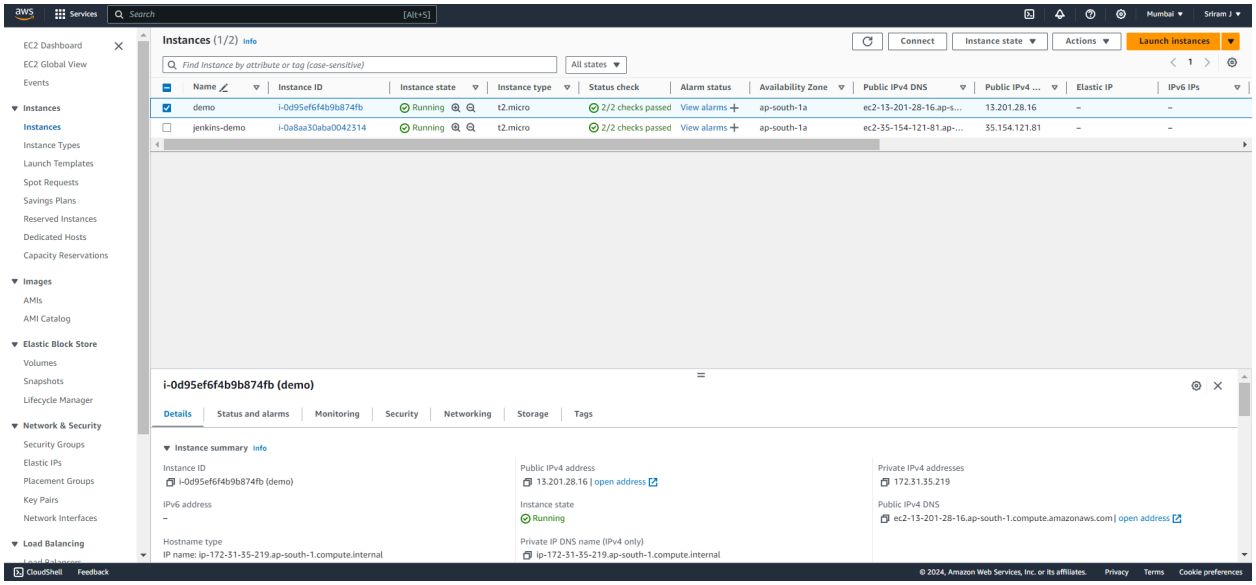
DEPLOYED SITE



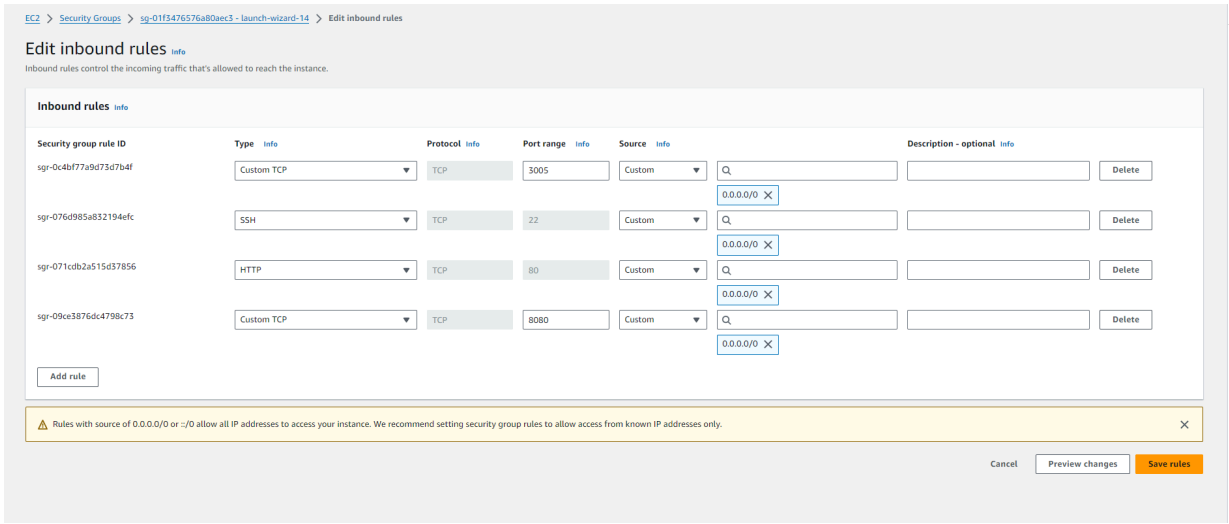

Not secure | 35.154.249.253
OnlineShop
Home
Login
SignUp
OnePlus 9 5G
5.4 inch display
399
Add to Cart
Iphone 13 mini
5.4 inch display
399
Add to Cart
Samsung s21 ultra
5.4 inch display
399
Add to Cart
xiomi mi 11
5.4 inch display
399
Add to Cart
OnePlus 9 5G
Iphone 13 mini
Samsung s21 ultra
xiomi mi 11


Not secure | 35.154.249.253/cart
OnlineShop
Home
Login
SignUp
Shopping Cart
Product Price Quantity Total
1
Iphone 13 mini
5.4 inch display
Remove
$399
1
$399
Clear Cart
SubTotal:
$399
Taxes and Shipping Calculated
Login to CheckOut
Continue Shopping

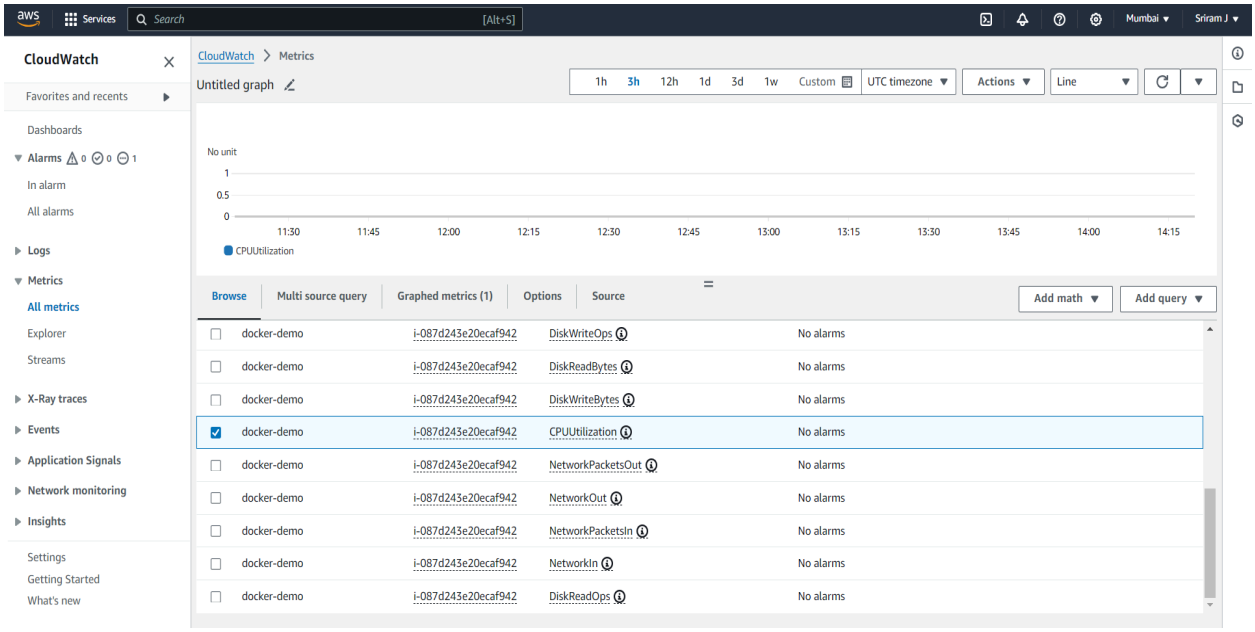
AWS-EC2 CONSOLE

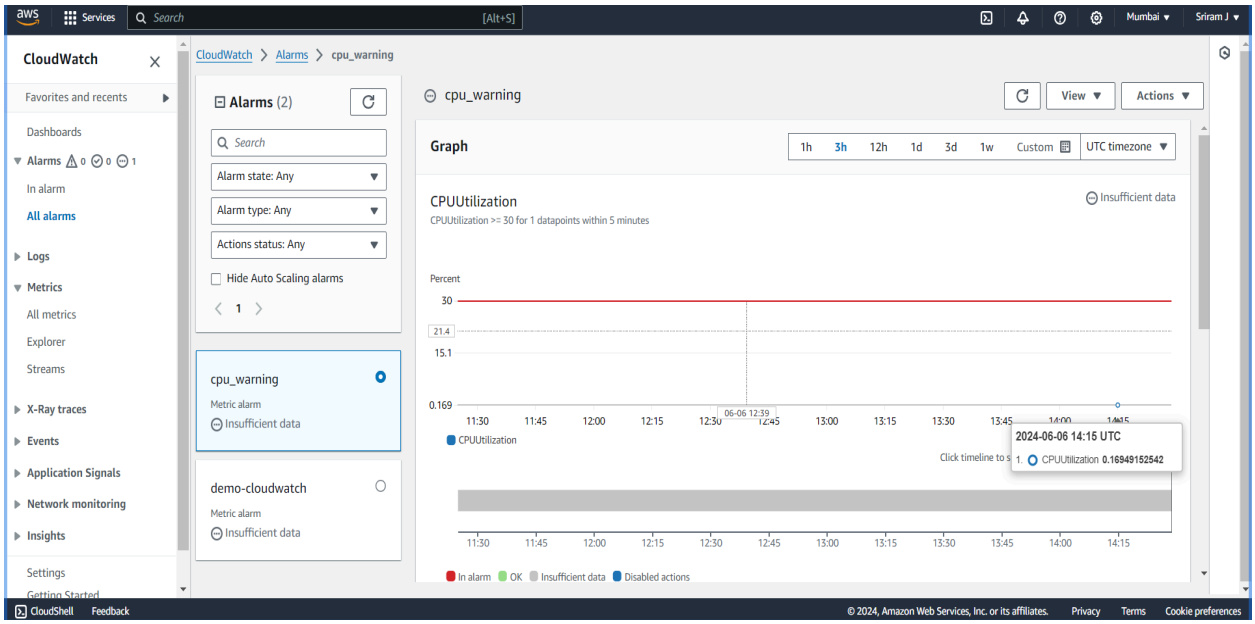


AWS- CONFIGURATIONS



MONITORING HEALTH CHECK STATUS USING CLOUD WATCH


aws
Services
Search
[Alt+S]
Mumbai
Sriram J
CloudWatch
Favorites and recents
Dashboards
Alarms 0 0 1
In alarm
All alarms
Logs
Metrics
All metrics
Explorer
Streams
X-Ray traces
Events
Application Signals
Network monitoring
Insights
Settings
Getting Started
What's new
CloudWatch > Metrics
Untitled graph
1h 3h 12h 1d 3d 1w Custom
UTC timezone
Actions
Line
No unit
1
0.5
0
11:30 11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45 14:00 14:15
CPUUtilization
Browse
Multi source query
Graphed metrics (1)
Options
Source
Add math
Add query
docker-demo i-087d243e20ecaf942 DiskWriteOps No alarms
docker-demo i-087d243e20ecaf942 DiskReadBytes No alarms
docker-demo i-087d243e20ecaf942 DiskWriteBytes No alarms
docker-demo i-087d243e20ecaf942 CPUUtilization No alarms
docker-demo i-087d243e20ecaf942 NetworkPacketsOut No alarms
docker-demo i-087d243e20ecaf942 NetworkOut No alarms
docker-demo i-087d243e20ecaf942 NetworkPacketsIn No alarms
docker-demo i-087d243e20ecaf942 NetworkIn No alarms
docker-demo i-087d243e20ecaf942 DiskReadOps No alarms


aws
Services
Search
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Mumbai
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CloudWatch
Favorites and recents
Dashboards
Alarms 0 0 1
In alarm
All alarms
Logs
Metrics
All metrics
Explorer
Streams
X-Ray traces
Events
Application Signals
Network monitoring
Insights
Settings
Getting Started
CloudWatch > Alarms > cpu_warning
Alarms (2)
Search
Alarm state: Any
Alarm type: Any
Actions status: Any
Hide Auto Scaling alarms
1
cpu_warning
Metric alarm
Insufficient data
demo-cloudwatch
Metric alarm
Insufficient data
cpu_warning
View
Actions
Graph
1h 3h 12h 1d 3d 1w Custom
UTC timezone
CPUUtilization
CPUUtilization >= 30 for 1 datapoints within 5 minutes
Insufficient data
Percent
30
21.4
15.1
0.169
11:30 11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45 14:00 14:15
06-06 12:39
CPUUtilization
2024-06-06 14:15 UTC
1. CPUUtilization 0.16949152542
In alarm
OK
Insufficient data
Disabled actions
CloudShell
Feedback
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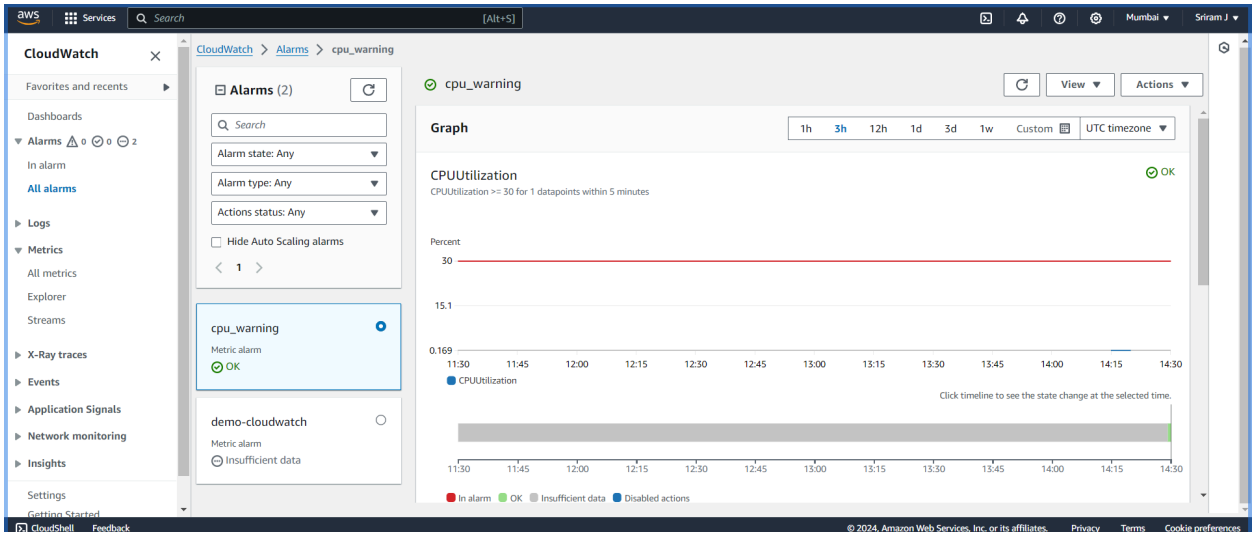
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Favorites and recents
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Alarms 0 0 2
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CPUUtilization
CPUUtilization >= 30 for 1 datapoints within 5 minutes
OK
Percent
30
15.1
0.169
11:30 11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45 14:00 14:15 14:30
CPUUtilization
Click timeline to see the state change at the selected time.
In alarm
OK
Insufficient data
Disabled actions
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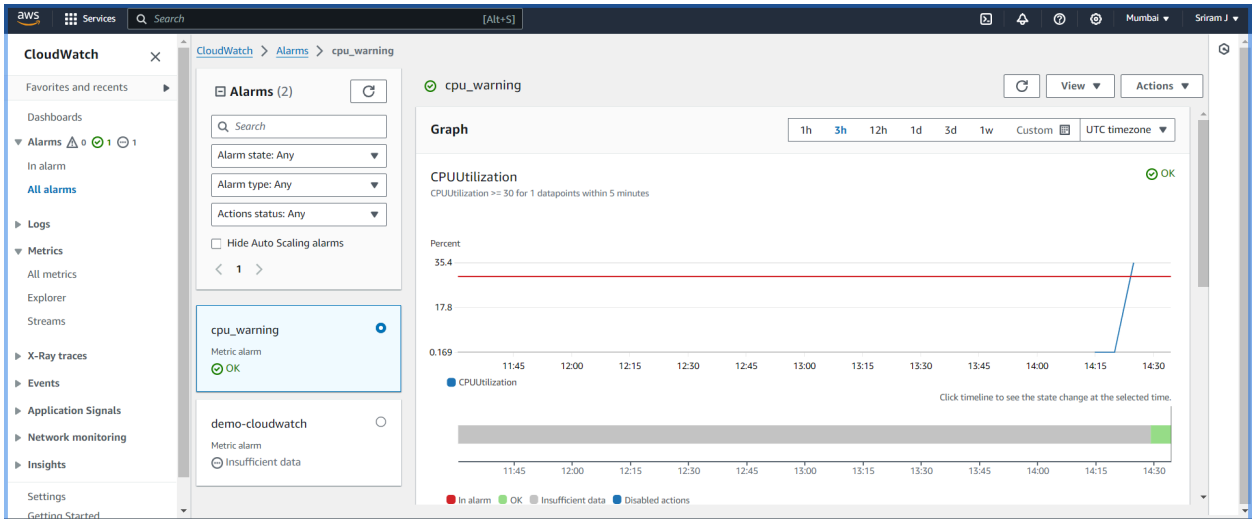
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[Alt+S]
Mumbai
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CloudWatch
Favorites and recents
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Alarms 0 1 1
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1h 3h 12h 1d 3d 1w Custom
UTC timezone
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CPUUtilization >= 30 for 1 datapoints within 5 minutes
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35.4
17.8
0.169
11:45 12:00 12:15 12:30 12:45 13:00 13:15 13:30 13:45 14:00 14:15 14:30
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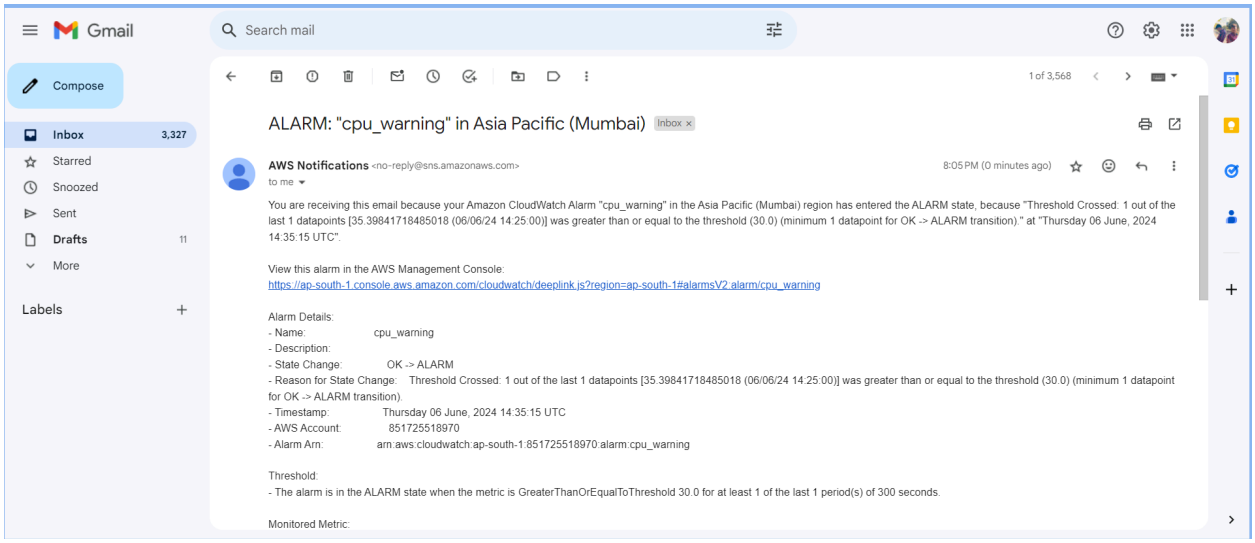
Gmail
Search mail
Compose
Inbox 3,327
Starred
Snoozed
Sent
Drafts 11
More
Labels
1 of 3,568
ALARM: "cpu_warning" in Asia Pacific (Mumbai)
Inbox
AWS Notifications <no-reply@sns.amazonaws.com>
to me
8:05 PM (0 minutes ago)
You are receiving this email because your Amazon CloudWatch Alarm "cpu_warning" in the Asia Pacific (Mumbai) region has entered the ALARM state, because "Threshold Crossed: 1 out of the last 1 datapoints [35.39841718485018 (06/06/24 14:25:00)] was greater than or equal to the threshold (30.0) (minimum 1 datapoint for OK -> ALARM transition)." at "Thursday 06 June, 2024 14:35:15 UTC".
View this alarm in the AWS Management Console:
https://ap-south-1.console.aws.amazon.com/cloudwatch/deeplink.js?region=ap-south-1#alarmsV2:alarm/cpu_warning
Alarm Details:
- Name: cpu_warning
- Description:
- State Change: OK -> ALARM
- Reason for State Change: Threshold Crossed: 1 out of the last 1 datapoints [35.39841718485018 (06/06/24 14:25:00)] was greater than or equal to the threshold (30.0) (minimum 1 datapoint for OK -> ALARM transition).
- Timestamp: Thursday 06 June, 2024 14:35:15 UTC
- AWS Account: 851725518970
- Alarm Arn: arn:aws:cloudwatch:ap-south-1:851725518970:alarm:cpu_warning
Threshold:
- The alarm is in the ALARM state when the metric is GreaterThanOrEqualToThreshold 30.0 for at least 1 of the last 1 period(s) of 300 seconds.
Monitored Metric: