

UdaPeople Software Screenshots

Project Engineer: Lukman E. ISMAILA

1. Job failed because of compile errors. [SCREENSHOT01]

The screenshot displays a CI/CD pipeline interface for a user named 'ismailukman'. The pipeline consists of four steps: 'Preparing environment variables' (0s), 'Checkout code' (0s), 'Restoring cache' (4s), and 'backend test' (43s). The 'backend test' step is highlighted in red, indicating a failure. The terminal output for this step shows a Jest test run that failed at the 'glee281.0.0 test script'. The error message states: 'npm ERR! Failed at the glee281.0.0 test script. npm ERR! This is probably not a problem with npm. There is likely additional logging output above.' The output also includes a complete log path: '/home/circleci/.npm/_logs/2022-07-27T11_32_05_1002-debug.log'.

2. Job failed because of unit tests. [SCREENSHOT02]

The screenshot displays a CI/CD pipeline interface for a user named 'ismailukman'. The pipeline consists of four steps: 'Preparing environment variables' (0s), 'Checkout code' (0s), 'Restoring cache' (6s), and 'frontend test' (54s). The 'frontend test' step is highlighted in red, indicating a failure. The terminal output for this step shows a Jest test run that failed at the 'typescript-react-redux-boilerplate@1.0.0 test script'. The error message states: 'npm ERR! Failed at the typescript-react-redux-boilerplate@1.0.0 test script. npm ERR! This is probably not a problem with npm. There is likely additional logging output above.' The output also includes a complete log path: '/home/circleci/.npm/_logs/2022-07-27T11_32_22_4682-debug.log'.

3. Job that failed because of vulnerable packages. [SCREENSHOT03]

ismailukman
ismailukman@gmail...

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Build behind a firewall
Install a self-hosted runner in 5 minutes or less.

Notifications
Status Online/Active
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scan backend

24s

Your output is too large to display in the browser.
Only the last 400000 characters are displayed.

Download the full output as a file

```

5565 | Moderate | Prototype Pollution in Ajv
5566 | Package | ajv
5567 | Patched in | >=6.12.3
5568 | Dependency of | winston-loggly-bulk
5569 | Path | winston-loggly-bulk > node-loggly-bulk > request >
5570 | More info | https://github.com/advisories/GHSA-v88g-cgmv-v5wv
5571 |
5572 | High | Crash in HeaderParser in dicer
5573 | Package | dicer
5574 | Patched in | No patch available
5575 | Dependency of | @nestjs/platform-express
5576 | Path | @nestjs/platform-express > multer > busboy > dicer
5577 | More info | https://github.com/advisories/GHSA-wm7h-9275-46w2
5578 |
5579 |
5580 |
5581 |
5582 |
5583 |
5584 |
5585 |
5586 |
5587 |
5588 |
5589 |
5590 |
5591 | Found 641 vulnerabilities (2 low, 143 moderate, 371 high, 125 critical) in 1389 scanned packages
5592 | run 'npm audit fix' to fix 499 of them.
5593 | 135 vulnerabilities require semver-major dependency updates.
5594 | 7 vulnerabilities require manual review. See the full report for details.
5595 |
5596 | Exited with code exit status 1
5597 | CircleCI received exit code 1

```

4. An alert from one of your failed builds. [SCREENSHOT04]

Uh-oh, this workflow did not succeed.

Author

ismailukman

Project

ismailukman/cdond-c3-projectstarter

Workflow

default

Branch

master

Commit

Project ansible install fca6f5b

Jobs

build-backend

Success

test-backend

Success

build-frontend

Success

scan-backend

Success

scan-frontend

Success

test-frontend

Success

deploy-infrastructu...

Success

configure-infrastru...

Failed

You're receiving this email because you follow ismailukman/cdond-c3-projectstarter on [CircleCI](#)

5. Appropriate job failure for infrastructure creation. [SCREENSHOT05]

ismailukman

ismailukman@gmail...

Dashboard

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Build behind a firewall

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Notifications

Status Operational

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Support

STEPS TESTS TIMING ARTIFACTS RESOURCES NEW

Parallel runs

0 01:21

Use parallelism to run faster tests

Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

X

Spin up environment 1s

Preparing environment variables 0s

Checkout code 0s

Install dependencies 6s

Ensure back-end infrastructure exists 1m 12s

```

1 #!/bin/bash -eo pipefail
2 aws cloudformation deploy \
3   --template-file .circleci/files/backend.yml \
4   --stack-name "udapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}" \
5   --parameter-overrides ID="${CIRCLE_WORKFLOW_ID:0:7}" \
6   --tags project:udapeople
7
8
9
10 Waiting for changeset to be created..
11 Waiting for stack create/update to complete
12
13 Failed to create/update the stack. Run the following command
14 to fetch the list of events leading up to the failure
15 aws cloudformation describe-stack-events --stack-name udapeople-backend-e61f293
16
17 Exited with code exit status 255
18 CircleCI received exit code 255

```

6. Appropriate job failure for the smoke test job. [SCREENSHOT06]

ismailukman

ismailukman@gmail...

Dashboard

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Plan

Build behind a firewall

Install a self-hosted runner in 5 minutes or less.

Notifications

Status Operational

Docs

Orbs

Support

Parallel runs

0 00:44

Use parallelism to run faster tests

Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

X

Spin up environment 3s

Preparing environment variables 0s

Checkout code 0s

Install Node.js 13 31s

Install AWS cli 3s

Backend smoke test. 1s

Frontend smoke test. 0s

```

1 #!/bin/bash -eo pipefail
2 FRONTEND_WEBSITE=http://udapeople-${CIRCLE_WORKFLOW_ID:0:7}.n3-website.${AWS_DEFAULT_REGION}.amazonaws.com
3 echo $FRONTEND_WEBSITE
4 if curl -s $FRONTEND_WEBSITE | grep "Welcome"
5 then
6   exit 1
7 else
8   exit 1
9 fi
10
11 http://udapeople-17a6703.n3-website.*****.amazonaws.com
12 Welcome
13
14 Exited with code exit status 1
15 CircleCI received exit code 1

```

Destroy environments 3s

7. Successful rollback after a failed smoke test. [SCREENSHOT07]

ismailukman

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Notifications

Status OPERATIONAL

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Orbs

Support

Install AWS cli

2s

Backend smoke test.

2s

Frontend smoke test.

0s

Destroy environments

3s

```

1 #!/bin/bash -eo pipefail
2 # Your code here
3 aws s3 rm s3://usdapeople-${CIRCLE_WORKFLOW_ID:0:7} --recursive
4 aws cloudformation delete-stack --stack-name "usdapeople-backend-${CIRCLE_WORKFLOW_ID:0:7}"
5 aws cloudformation delete-stack --stack-name "usdapeople-frontend-${CIRCLE_WORKFLOW_ID:0:7}"
6
7 delete: s3://usdapeople-e2270af/index.html
8 delete: s3://usdapeople-e2270af/224b429d16979d4b02826a2a76a705eb.tif
9 delete: s3://usdapeople-e2270af/7d334c755f55e47d2a5a.js
10 delete: s3://usdapeople-e2270af/images/fab15f4239b7d18793cfe6f6ec3313bf_kiwi.svg
11 delete: s3://usdapeople-e2270af/panda19
12 delete: s3://usdapeople-e2270af/2fa992cd559fe83c2280fab27164388c.woff
13 delete: s3://usdapeople-e2270af/1c6ff9123b4b45a7d3d4b5b21160855.png
14 delete: s3://usdapeople-e2270af/96cd8ffa631eba37553b.js
15 CircleCI received exit code 0

```

Revert migrations

0s

```

1 #!/bin/bash -eo pipefail
2 # Curl command here to see if there was a successful migration associated with the workflow id, store result in SUCCESS variable
3 SUCCESS=$(curl --insecure "https://kvdb.io/0ihzLd9Ks480UwLTTshb/migration_${CIRCLE_WORKFLOW_ID:0:7}")
4 if [[ $SUCCESS==1 ]]; then
5     then
6         cd ~/project/backend
7         npm install
8         npm run migrations:revert
9     fi
10
11 % Total % Received % Xferd Average Speed Time Time Time Current
12 100 9 100 9 0 0 58 0 --:--:-- --:--:-- --:--:-- 58
13 /bin/bash: line 2: {}: Not found=1: syntax error in expression (error token is "found=1 ")
14 CircleCI received exit code 0

```

8. Successful promotion job. [SCREENSHOT8]

ismailukman

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cloudfront-update

Success

3m 12s / 31s ago

0s

Docker / Large

master

d695472

Project smoke test

STEPS

TESTS

TIMING

ARTIFACTS

RESOURCES

Parallel runs

0 05:11

Use parallelism to run faster tests

Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs

Spin up environment

1s

Preparing environment variables

0s

Checkout code

0s

Install dep / Save Old Workflow ID to kvdb.io

0s

Update cloudfront distribution

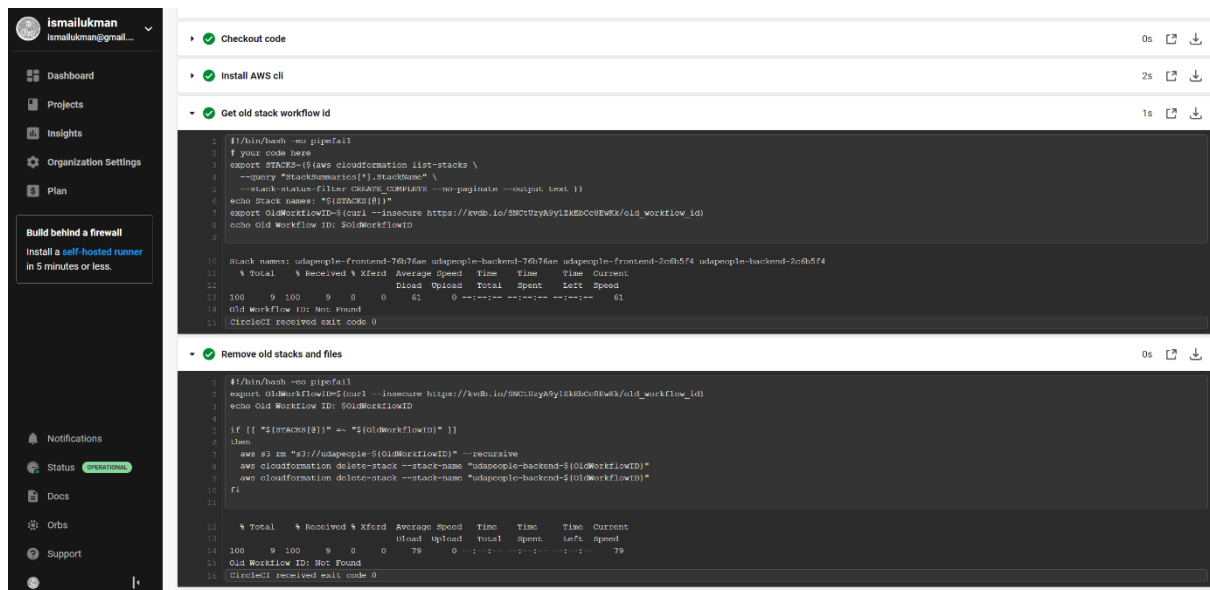
3m 9s

```

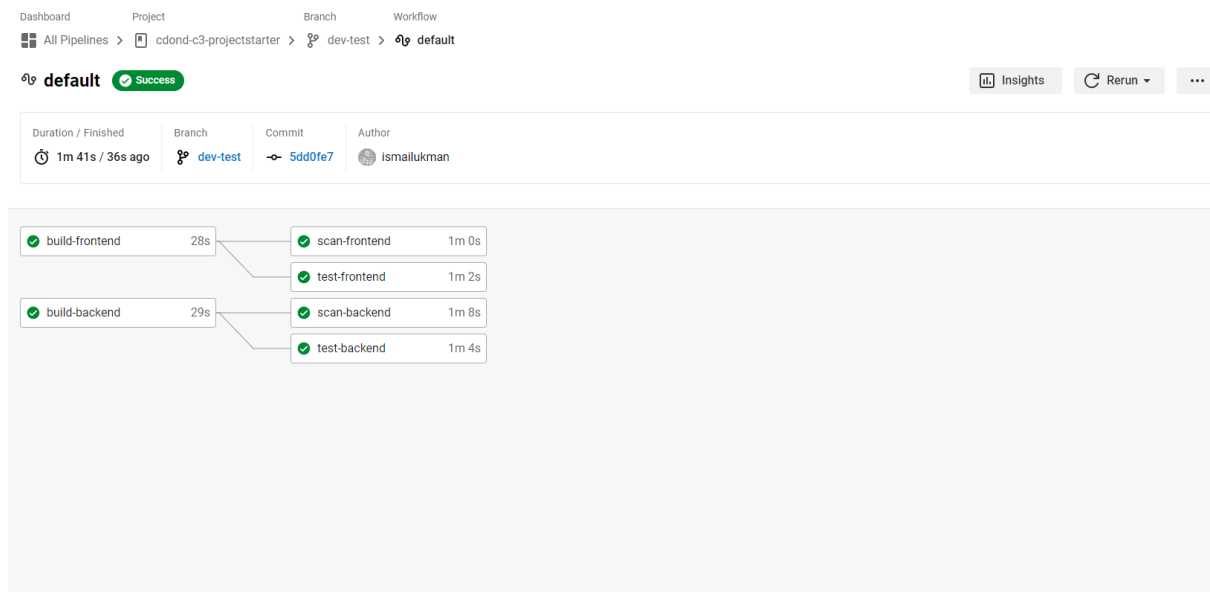
1 #!/bin/bash -eo pipefail
2 aws cloudformation deploy \
3 --template-file .circleci/files/cloudfront.yml \
4 --parameter-overrides WorkflowID="${CIRCLE_WORKFLOW_ID:0:7}" \
5 --stack-name InitialStack
6
7
8 Waiting for changeset to be created..
9 Waiting for stack create/update to complete
10 Successfully created/updated stack - InitialStack
11 CircleCI received exit code 0

```

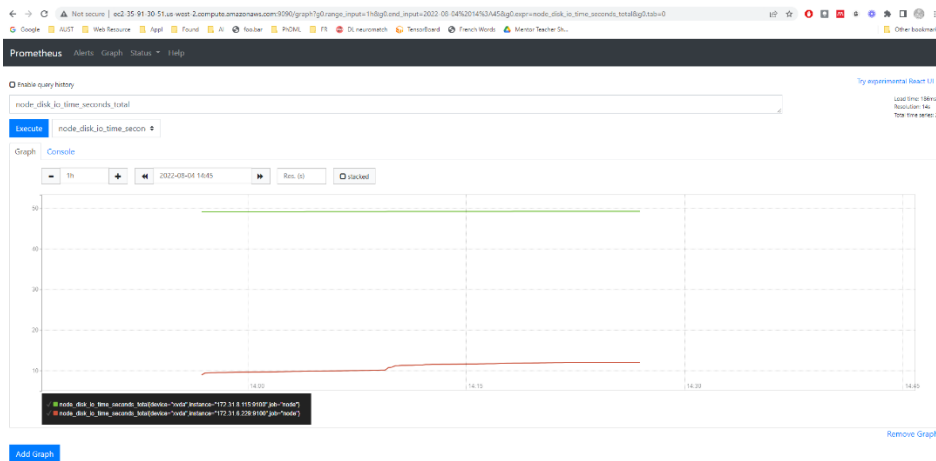
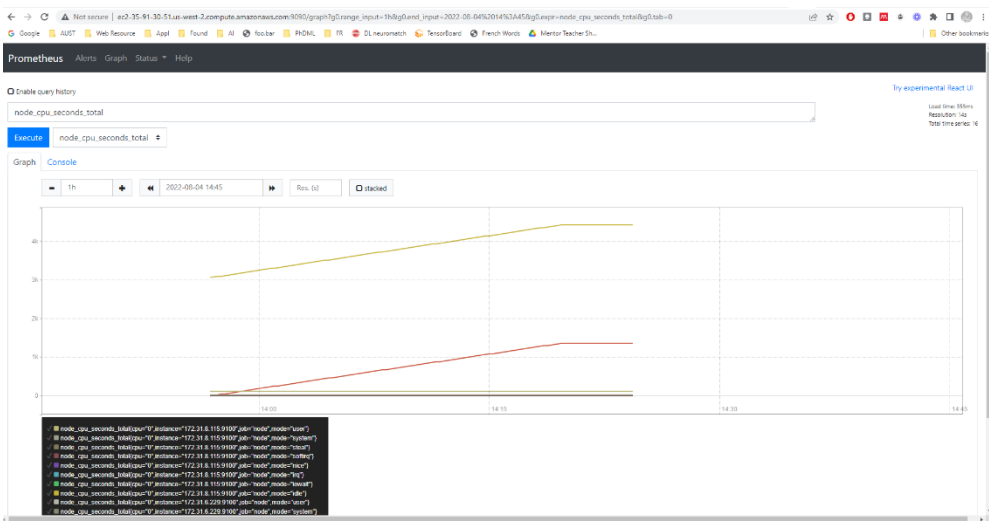
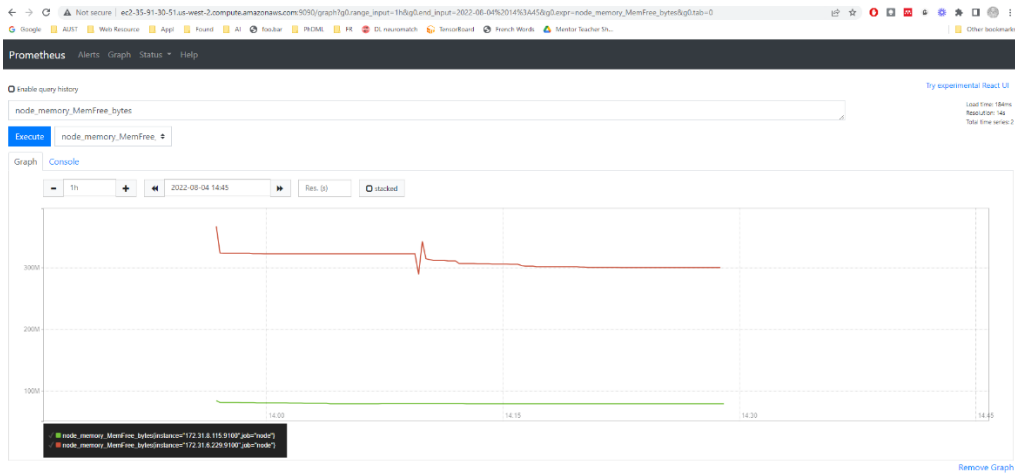
9. Successful cleanup job. [SCREENSHOT9]



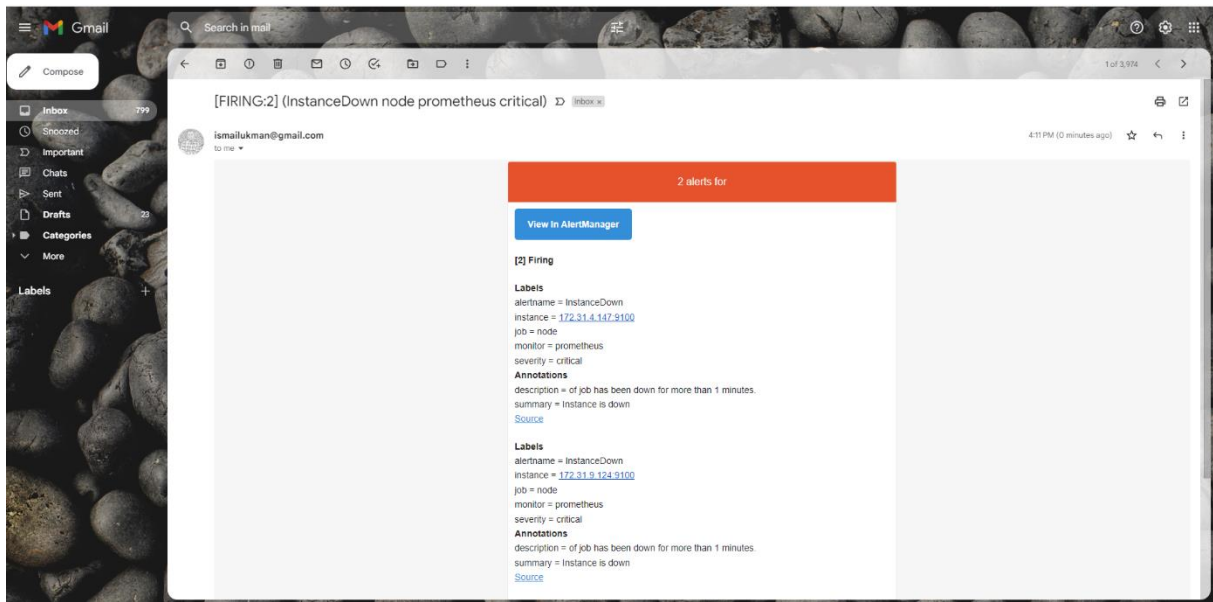
10. Only deploy on pushed to master branch. [SCREENSHOT10]



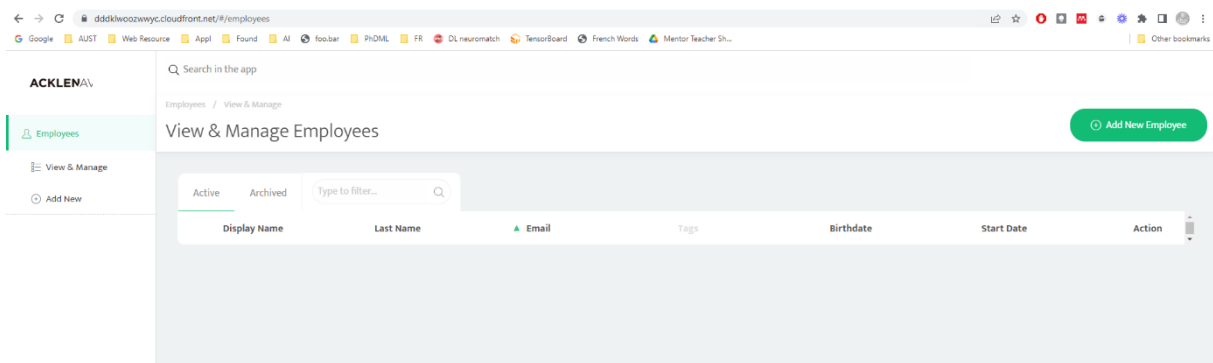
11. Provide a screenshot of a graph of your EC2 instance including available memory, available disk space, and CPU usage. [SCREENSHOT11]



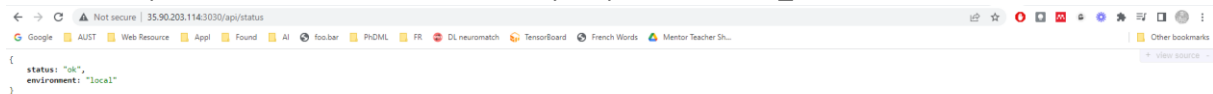
12. Provide a screenshot of an alert that was sent by Prometheus. [SCREENSHOT12]

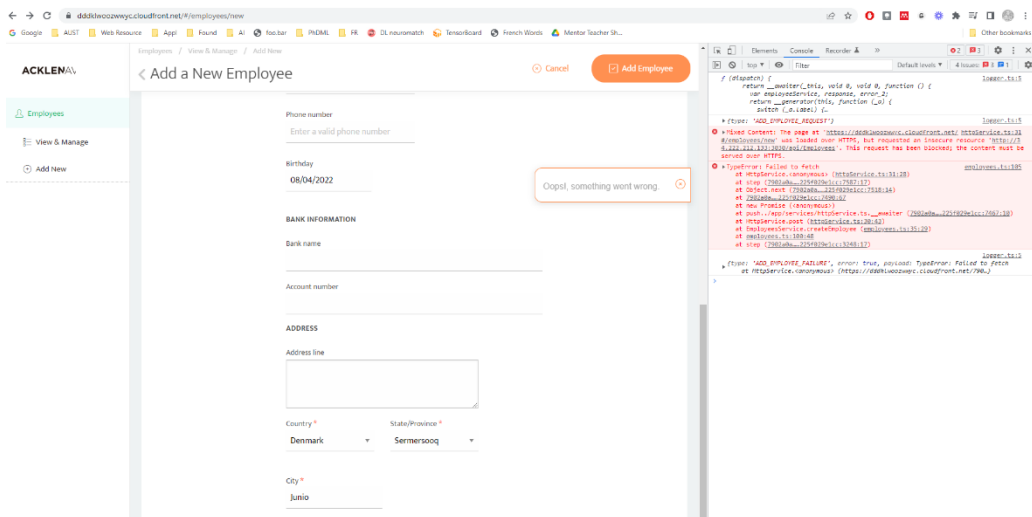
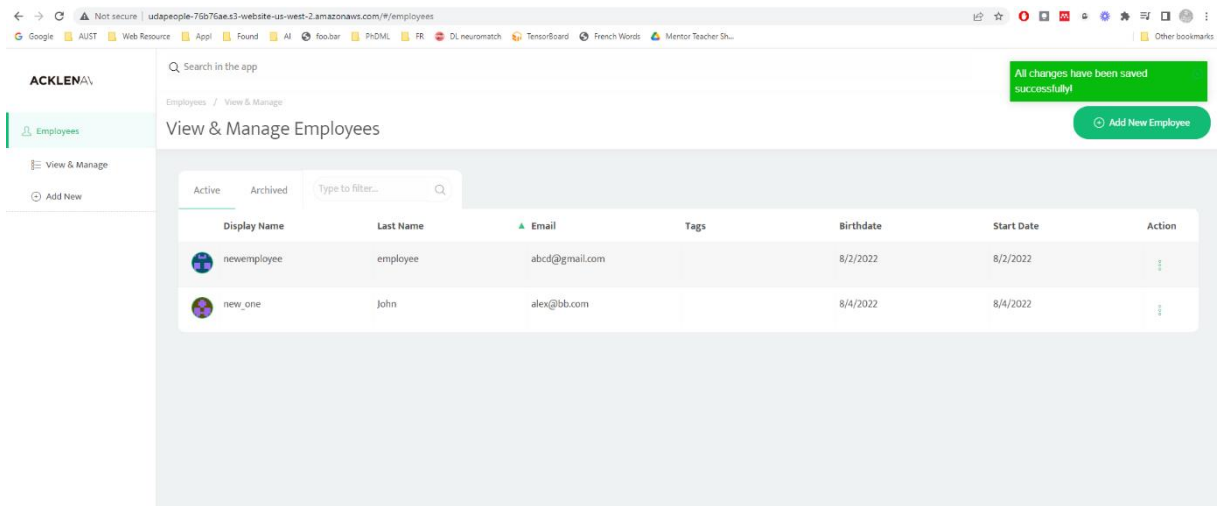


13. Provide a screenshot showing the evidence of deployed and functioning front-end application in CloudFront (aka, your production front-end). [URL03_SCREENSHOT]



14. Provide a screenshot showing the evidence of a healthy backend application. The backend endpoint status should show a healthy response. [URL04_SCREENSHOT]





15. Provide a screenshot of your Prometheus server showing UP state [URL05_SCREENSHOT]

Prometheus Alerts Graph Status Help					
Targets					
All Unhealthy					
node (2/4 up) Show logs					
Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://172.31.4.147:9100/metrics	DOWN	instance="172.31.4.147:9100" job="node"	4.947s ago	3.078s	Get "http://172.31.4.147:9100/metrics": dial tcp 172.31.4.147:9100: connect: no route to host
http://172.31.6.229:9100/metrics	UP	instance="172.31.6.229:9100" job="node"	3.111s ago	13.79ms	
http://172.31.8.115:9100/metrics	UP	instance="172.31.8.115:9100" job="node"	2.186s ago	11.67ms	
http://172.31.9.124:9100/metrics	DOWN	instance="172.31.9.124:9100" job="node"	14.664s ago	3.066s	Get "http://172.31.9.124:9100/metrics": dial tcp 172.31.9.124:9100: connect: no route to host
prometheus (1/1 up) Show logs					
Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://localhost:9090/metrics	UP	instance="localhost:9090" job="prometheus"	10.996s ago	9.048ms	