


UDACITY: CLOUD DEVELOPER

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Job failed because of compile errors


 0 00:36


Use parallelism to run faster tests
Parallelism speeds up tests by splitting them across multiple executors.

Go to Docs X

▶  Spin up environment 8s 🔍 ↗️ ⬇️

▶  Preparing environment variables 0s 🔍 ↗️ ⬇️

▶  Checkout code 0s 🔍 ↗️ ⬇️

▼  Back-end build 27s 🔍 ↗️ ⬇️

```
#!/bin/bash -eo pipefail
cd backend
npm install
npm run build
```

<http://54.89.88.16:3030>

```
29 31 .addBearerAuth()x // here is an intentional compile error. Remove the "x" and the backend should compile.
30 ~
31
32 src/main.ts:32:5 - error TS1128: Declaration or statement expected.
33
34 32 .build();
35 ~
36
37
38 Found 2 errors.
39
40 npm ERR! code ELIFECYCLE
41 npm ERR! errno 2
42 npm ERR! glee2@1.0.0 build: `tsc`
43 npm ERR! Exit status 2
44 npm ERR!
45 npm ERR! Failed at the glee2@1.0.0 build script.
46 npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
47
48 npm ERR! A complete log of this run can be found in:
49 npm ERR! /home/circleci/.npm/_logs/2023-08-05T14_56_02_215Z-debug.log
50
51 Exited with code exit status 2
52
```

CircleCI received exit code 2

Job failed because of unit tests


```
Test backend 55s 🔍 ↗️ ⬇️

#!/bin/bash -eo pipefail
cd backend
npm install
npm run test

285 | 38 | });
286 |
287 | at src/modules/domain/employees/commands/handlers/employee-activator.handler.spec.ts:35:43
288 | at fulfilled (src/modules/domain/employees/commands/handlers/employee-activator.handler.spec.ts:5:58)
289 |
290 |
291 | Test Suites: 1 failed, 50 passed, 51 total
292 | Tests: 1 failed, 78 passed, 79 total
293 | Snapshots: 0 total
294 | Time: 36.017s
295 | Ran all test suites.
296 | npm ERR! code ELIFECYCLE
297 | npm ERR! errno 1
298 | npm ERR! glee2@1.0.0 test: `jest --runInBand`
299 | npm ERR! Exit status 1
300 | npm ERR!
301 | npm ERR! Failed at the glee2@1.0.0 test script.
302 | npm ERR! This is probably not a problem with npm. There is likely additional logging output above.
303 |
304 | npm ERR! A complete log of this run can be found in:
305 | npm ERR! /home/circleci/.npm/_logs/2023-08-05T15_19_57_151Z-debug.log
306 |
307 | Exited with code exit status 1
308 |

CircleCI received exit code 1
```

Job that failed because of vulnerable packages

▼  Scan frontend

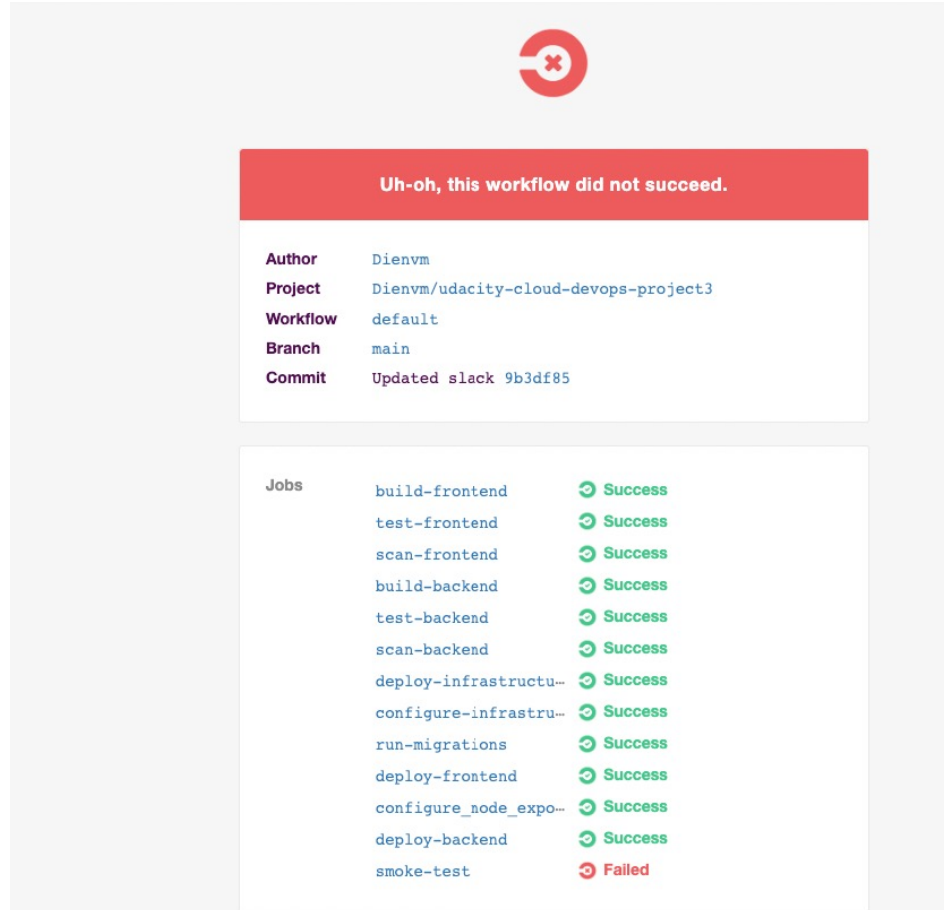
16s 🔍 ↗️ ⬇️

```
#!/bin/bash -eo pipefail
cd frontend
npm install
npm audit --audit-level=critical
```

11920	More info	https://github.com/advisories/GHSA-p8p7-x288-28g6
11921		
11922		
11923	Moderate	Server-Side Request Forgery in Request
11924		
11925	Package	request
11926		
11927	Patched in	No patch available
11928		
11929	Dependency of	jest
11930		
11931	Path	jest > jest-cli > @jest/core > jest-runner > jest-jasmine2 > jest-runtime > jest-config > jest-environment-jsdom > jsdom > request
11932		
11933		
11934		
11935	More info	https://github.com/advisories/GHSA-p8p7-x288-28g6
11936		
11937	found 793 vulnerabilities (5 low, 237 moderate, 402 high, 149 critical) in 1896 scanned packages	
11938	run `npm audit fix` to fix 537 of them.	
11939	245 vulnerabilities require semver-major dependency updates.	
11940	11 vulnerabilities require manual review. See the full report for details.	
11941		
11942	Exited with code exit status 1	
11943		

CircleCI received exit code 1

An alert from one of your failed builds



A screenshot of a GitHub Actions workflow failure alert. At the top is a red circle with a white 'X' icon. Below it is a red banner with the text "Uh-oh, this workflow did not succeed." in white. Under the banner is a white box containing metadata: Author (Dienvm), Project (Dienvm/udacity-cloud-devops-project3), Workflow (default), Branch (main), and Commit (Updated slack 9b3df85). Below this is another white box titled "Jobs" containing a list of 14 jobs. The first 13 jobs are marked with a green checkmark and "Success", while the last job, "smoke-test", is marked with a red 'X' icon and "Failed".

























Uh-oh, this workflow did not succeed.

Author Dienvm
Project Dienvm/udacity-cloud-devops-project3
Workflow default
Branch main
Commit Updated slack 9b3df85

Jobs

build-frontend	Success
test-frontend	Success
scan-frontend	Success
build-backend	Success
test-backend	Success
scan-backend	Success
deploy-infrastructu--	Success
configure-infrastru--	Success
run-migrations	Success
deploy-frontend	Success
configure_node_expo--	Success
deploy-backend	Success
smoke-test	Failed





























Appropriate job failure for infrastructure creation

▶  Spin up environment	3s			
▶  Preparing environment variables	0s			
▶  Checkout code	0s			
▶  Install AWS CLI - latest	3s			
▶  Configure AWS Access Key ID	3s			
▼  Ensure back-end infrastructure exists	1m 36s			


```
#!/bin/bash -eo pipefail
1
2   Waiting for changeset to be created..
3   Waiting for stack create/update to complete
4
5   Failed to create/update the stack. Run the following command
6   to fetch the list of events leading up to the failure
7   aws cloudformation describe-stack-events --stack-name udapeople-backend-8132d13
8
9   Exited with code exit status 255
10
```



CircleCI received `exit` code 255








Appropriate job failure for the smoke test job.


▶  Spin up environment	3s			
▶  Preparing environment variables	0s			
▶  Checkout code	0s			
▶  Restoring cache	0s			
▶  Attaching workspace	0s			
▶  Install dependencies	3s			
▼  Backend smoke test.	1s			

Successful rollback after a failed smoke test





















 **run-migrations** Success

 Rerun 

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
 42s / 21m ago	 0s	 Docker / Large 	 main	 9b3df85	 Updated slack

 You're using a [deprecated Docker convenience image](#). Upgrade to a next-gen Docker convenience image.

STEPS TESTS TIMING ARTIFACTS RESOURCES

▶  Spin up environment	12s	  
▶  Preparing environment variables	0s	  
▶  Checkout code	0s	  
▶  Run migrations	27s	  
▼  Send migration results to memstash	0s	  

```
#!/bin/bash -eo pipefail
1 | email address not verified. visit https://kvdb.io/login to activate your account.SUCCESS and send to 0
2 |
```

Show more

Successful promotion job

Duration / Finished	Queued	Executor / Resource Class	Branch	Commit	Author & Message
5m 3s / 13m ago	0s	Docker / Large	main	9b3df85	Updated slack
STEPS TESTS TIMING ARTIFACTS RESOURCES					
▶ Spin up environment	16s				
▶ Preparing environment variables	0s				
▶ Checkout code	0s				
▶ Install AWS CLI - latest	3s				
▶ Configure AWS Access Key ID	2s				
▶ cache OldWorkflowID	0s				
▶ cat .circleci/ansible/oldlp.txt	0s				
▼ Update cloudfront distribution	4m 37s				
<pre>#!/bin/bash -eo pipefail 1 2 Waiting for changeset to be created.. 3 Waiting for stack create/update to complete 4 Successfully created/updated stack - InitialStack 5</pre> <div>Show more</div>					
▶ Persisting to workspace	0s				

Successful cleanup job

STEPS

TESTS

TIMING

ARTIFACTS

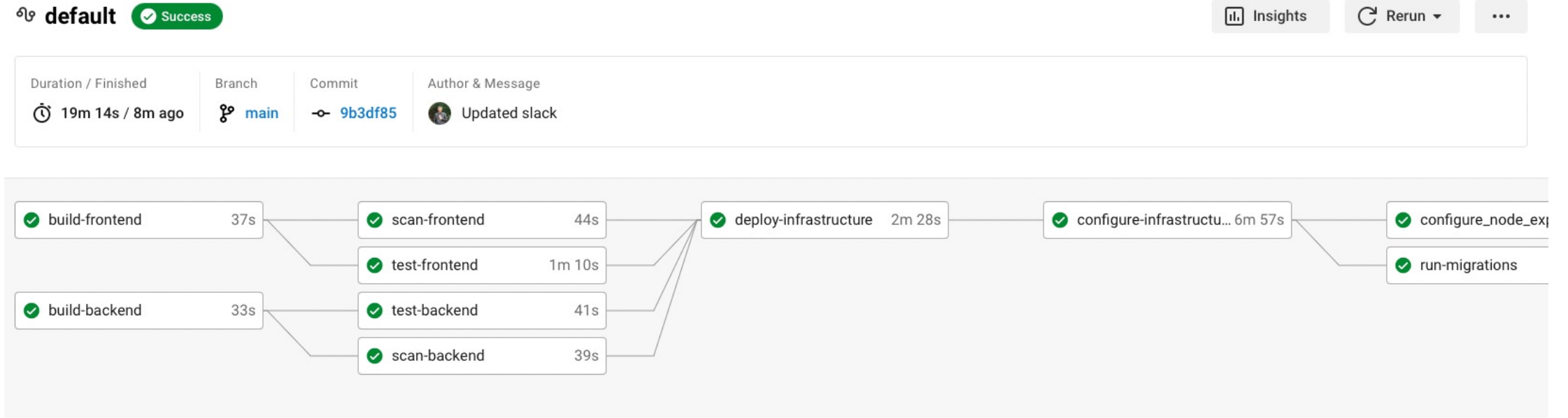
RESOURCES

▶ Spin up environment	4s			
▶ Preparing environment variables	0s			
▶ Checkout code	0s			
▶ Install AWS CLI - latest	3s			
▶ Configure AWS Access Key ID	2s			
▶ Attaching workspace	1s			
▼ Remove old stacks and files	2s			

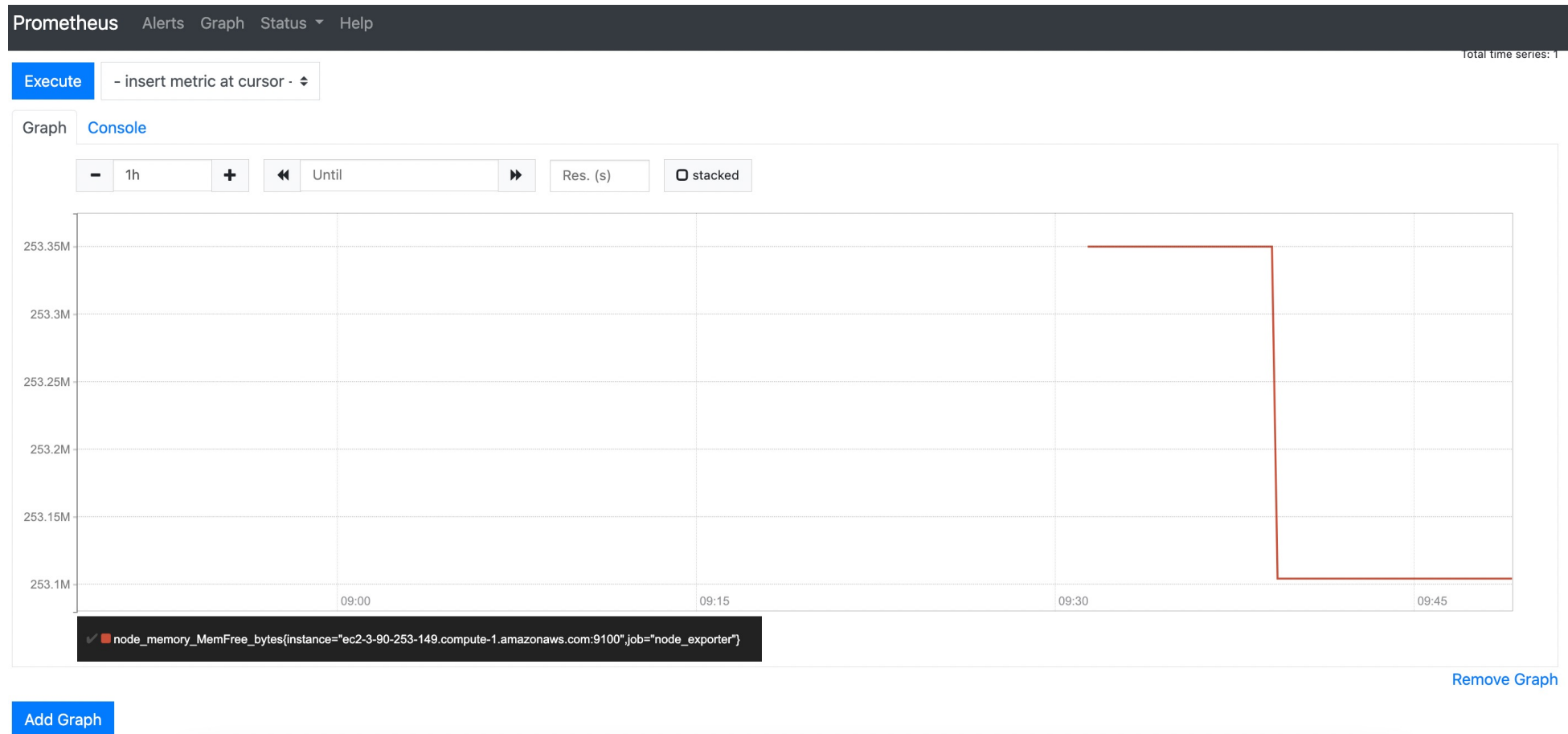
```
#!/bin/bash -eo pipefail
chmod +x .circleci/scripts/cleanupOldStack.sh && .circleci/scripts/cleanupOldStack.sh

1 | OldWorkflowID: 0c55c4e
2 | CIRCLE_WORKFLOW_ID aea9336
3 | Start to clean up...
4 | delete: s3://udapeople-0c55c4e/2fa692cd55bfc83c228c0ab271e4388c.woff
5 | delete: s3://udapeople-0c55c4e/1ceff9123b66b50a7d3cb5b221160855.eot
6 | delete: s3://udapeople-0c55c4e/631446fc46fe95b88379.js
7 | delete: s3://udapeople-0c55c4e/224b6d9d16679dab02826a2a7ea705eb.ttf
8 | delete: s3://udapeople-0c55c4e/images/6ab15f4239b7d187935cf6f4ec3313bf-kiwi.svg
9 | delete: s3://udapeople-0c55c4e/7d234c755f55c47d2c5a.js
10 | delete: s3://udapeople-0c55c4e/bundle.js
11 | delete: s3://udapeople-0c55c4e/index.html
12 | Delete done
13 |
```

Only deploy on pushed to main branch



Provide a screenshot of a graph of your EC2 instance including available memory, available disk space, and CPU usage



Provide a screenshot of an alert that was sent by Prometheus



AlertManager APP 7:45 PM

[FIRING:2]

Alerts Firing:

- node2.stage: Device's CPU usage has exceeded threshold of 80 with a value of 96.35%.
- node2.stage: System has 89.98% of CPU steal.

[Show less...](#)



AlertManager APP 7:52 PM

[RESOLVED]

Alerts Resolved:

- node2.stage: System has 90.11% of CPU steal.
- node2.stage: Device's CPU usage has exceeded threshold of 80 with a value of 97.61%.

[Show less...](#)



AlertManager APP 10:52 PM

[FIRING:1] high_memory_load @ ecs-10-0-4-182.dev

System memory usage is high at 94.24%.

Application in CloudFront

CloudFront > Distributions

Distributions (1) [Info](#)

< 1 > ⚙

☐

Refresh

Enable

Disable

Delete

Create distribution

<input type="checkbox"/>	ID ▾	Description ▾	Type ▾	Domain name ▾	Alternate domain ... ▾	Origins ▾	Status ▾	Last modified ▾
<input type="checkbox"/>	EGUV85TFCYDGG	-	Production	d1uj183pl1s60l.cloudfront.net	-	udapeople-ae1920e	✔ Enabled	August 27, 2023 at 4:17:14 PM UTC

Application

ACKLENA\

Employees

View & Manage

Add New

Search in the app







Employees / View & Manage

View & Manage Employees

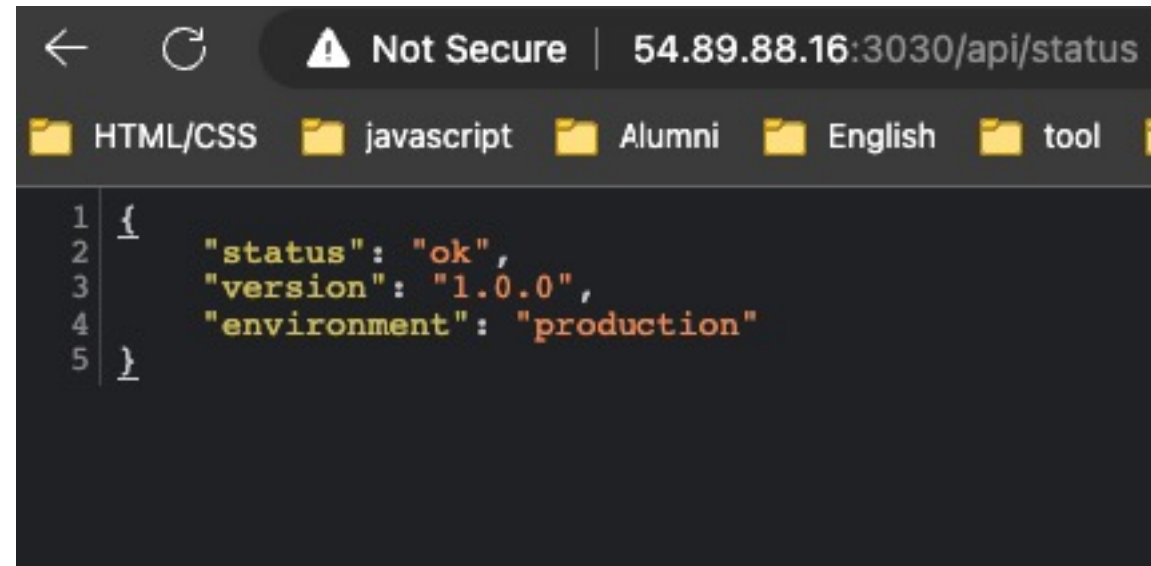
Add New Employee

Active Archived

Type to filter...

Display Name	Last Name	Email	Tags	Birthdate	Start Date	Action
 DienVM1	Ma	dienvm.pnv@gmail.com		8/26/1994	8/27/2023	
 Kun	Thanh	dienvm.pnv@gmail.com		8/27/2023	8/27/2023	
 HanhTTM9	Thi	dienvm.pnv@gmail.com		8/26/1994	8/27/2023	

The backend endpoint status



A screenshot of a web browser window. The address bar shows a warning icon, the text "Not Secure", and the URL "54.89.88.16:3030/api/status". Below the address bar is a navigation bar with several folder icons and labels: "HTML/CSS", "javascript", "Alumni", "English", and "tool". The main content area displays a JSON object in a dark-themed code editor. The JSON is formatted with line numbers 1 through 5 on the left. The object has three key-value pairs: "status" with value "ok", "version" with value "1.0.0", and "environment" with value "production".

```
1 {  
2   "status": "ok",  
3   "version": "1.0.0",  
4   "environment": "production"  
5 }
```


Prometheus server showing UP state

Targets

AllUnhealthy

node_exporter (1/1 up)show less

Endpoint	State	Labels	Last Scrape	Scrape Duration	Error
http://ec2-3-90-253-149.compute-1.amazonaws.com:9100/metrics	UP	instance="ec2-3-90-253-149.compute-1.amazonaws.com:9100" job="node_exporter"	6.384s ago	12.75ms	