Project Solution Screenshots

URL01 - public GitHub repository for udapeople project

URL02 - functioning front-end application in S3

URL03 - functioning front-end application in cloudfront

URL04 - healthy back-end application

URL05 - Evidence of Prometheus Server

1. Utilize Deployment Strategies to design and build CI/CD pipelines that support Continuous Delivery processes.

- A public git repository with your project code. <u>URL01</u>
- Console output of various pre-deploy job failure scenarios:

• [SCREENSHOT01] Build Jobs that failed because of compile errors.

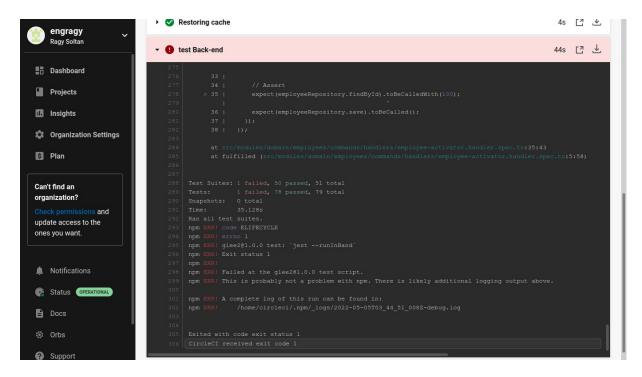
```
    Restoring cache

                                                                                                                             engragy
                                                                                                                            24s [ ₫ 🕹
                            ▼ 

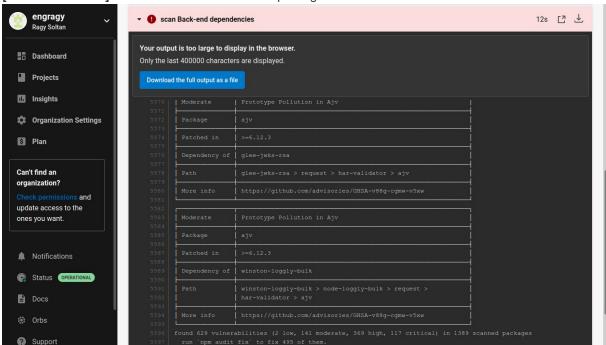
Back-end build
Dashboard
Projects
Insights
Organization Settings
S Plan
Can't find an
organization?
update access to the
ones you want.
Notifications
Status OPERAT
■ Docs

    Orbs
```

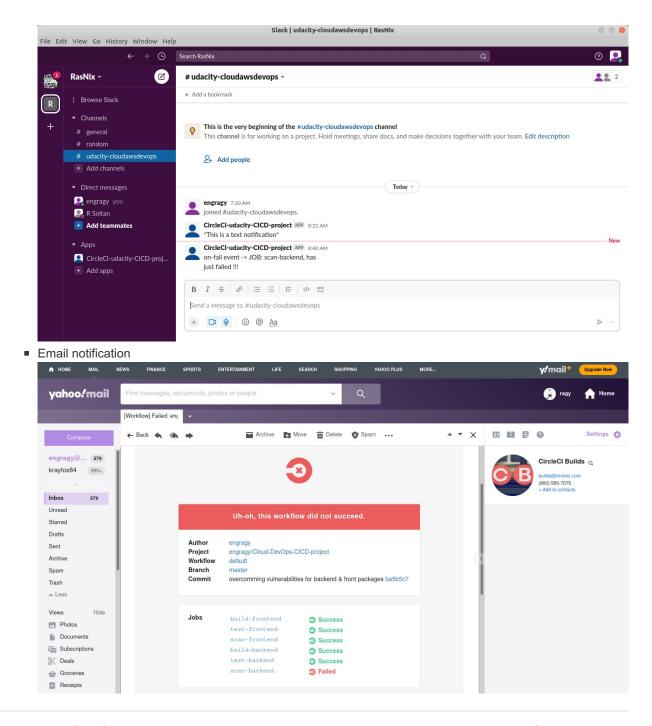
• [SCREENSHOT02] Failed unit tests.



• [SCREENSHOT03] Failure because of vulnerable packages.

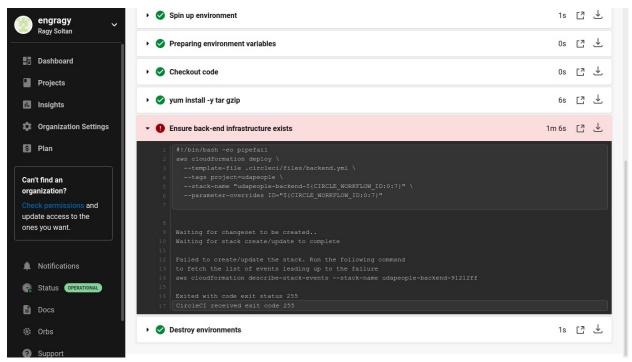


- [SCREENSHOT04] An alert from one of your failed builds.
 - Slack notification

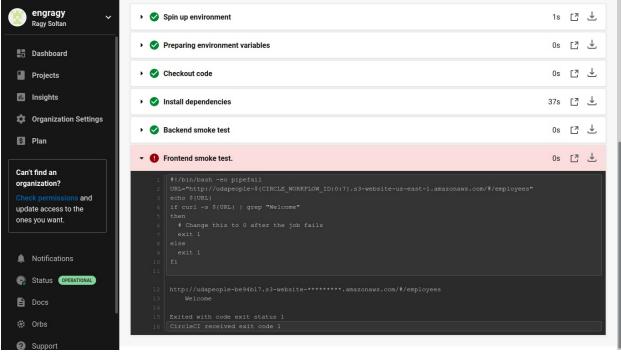


2. Utilize a Configuration Management Tool to Accomplish Deployment to Cloud-Based Servers

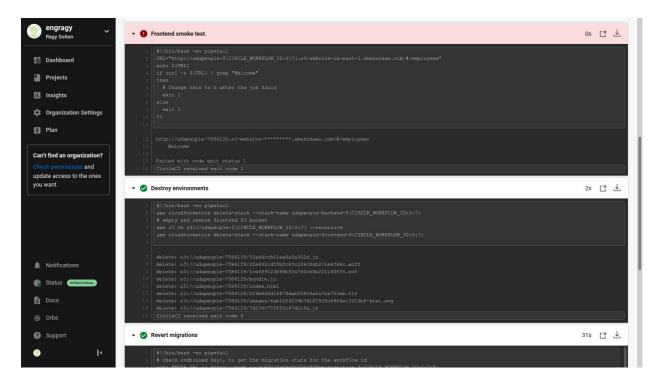
• [SCREENSHOT05] Console output of appropriate failure for infrastructure creation job (using CloudFormation).



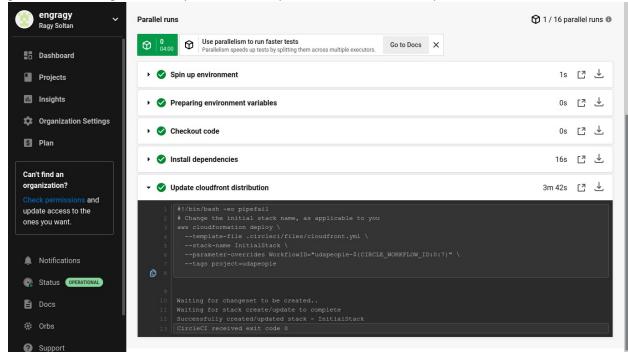
• [SCREENSHOT06] Console output of a smoke test job that is failing appropriately.



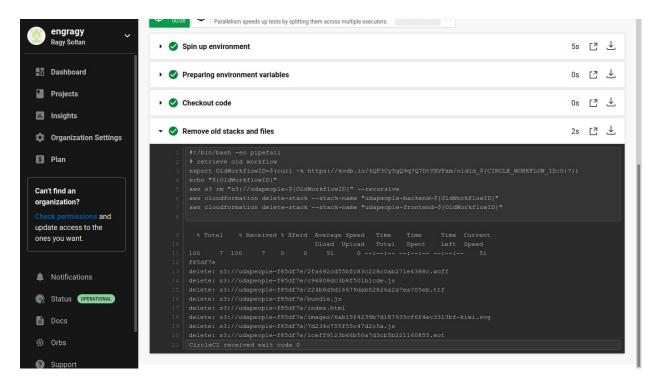
• [SCREENSHOT07] Console output of a successful rollback after a failed smoke test.



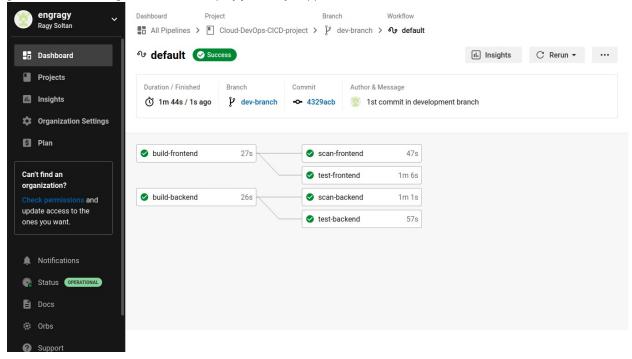
[SCREENSHOT08] Console output of successful promotion of new version to production in CloudFront.



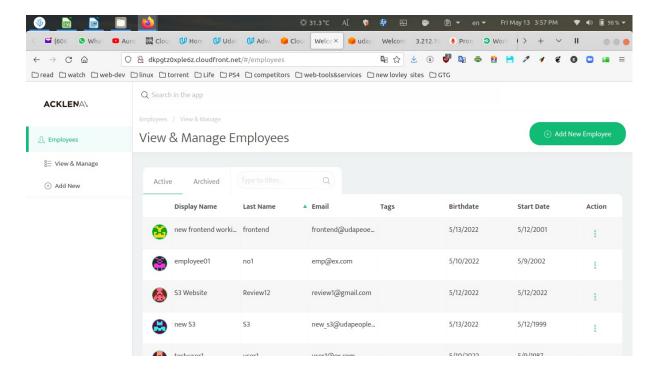
• [SCREENSHOT09] Console output of successful cleanup job that removes old S3 bucket and EC2 instance.



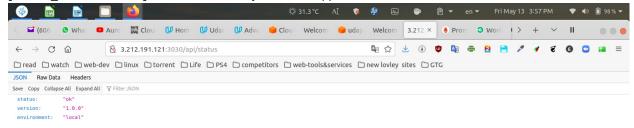
• [SCREENSHOT010] Evidence that deploy jobs only happen on master branch.



- Evidence of deployed and functioning front-end application
 - in an S3 bucket <u>URL02</u>
 - o in CloudFront. URL03

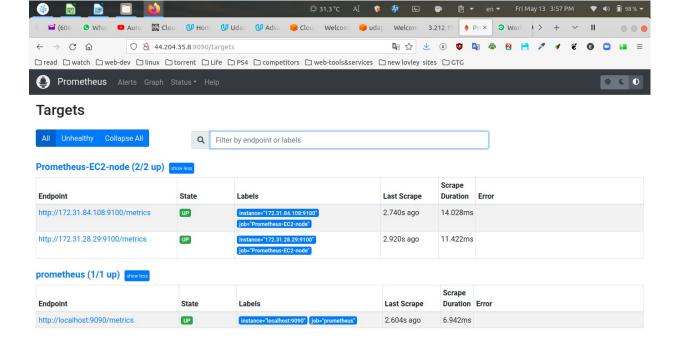


• [URL04_SCREENSHOT] Evidence of healthy back-end application. URL04



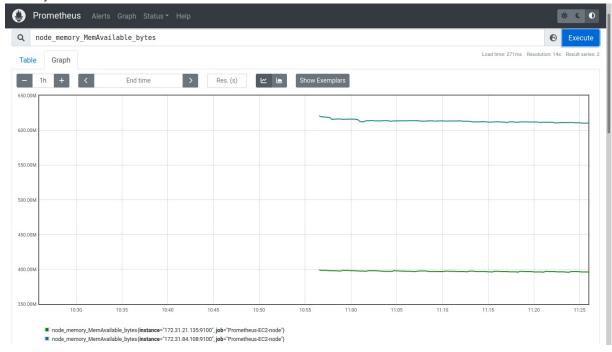
Surface critical server errors for diagnosis using centralized logging.

• [URL05_SCREENSHOT] Evidence of Prometheus Server. URL05

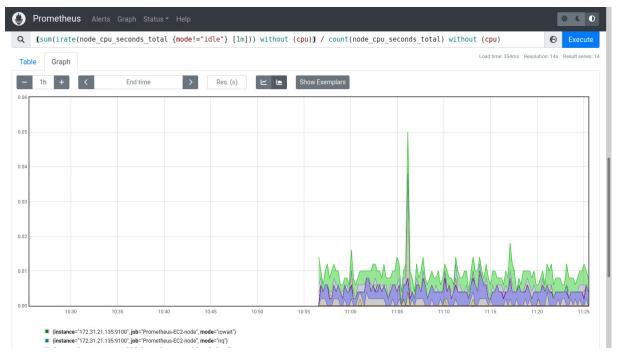


• [SCREENSHOT11] Evidence that Prometheus is monitoring EC2 instances

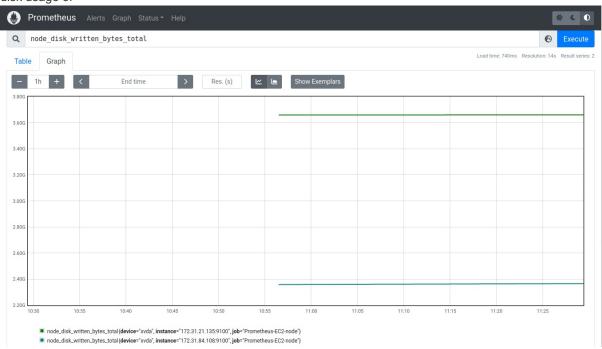
o memory



o cpu usage



o disk usage of



• [SCREENSHOT12] Evidence that Prometheus and AlertManager send alerts when certain conditions exist in the EC2 instance.

