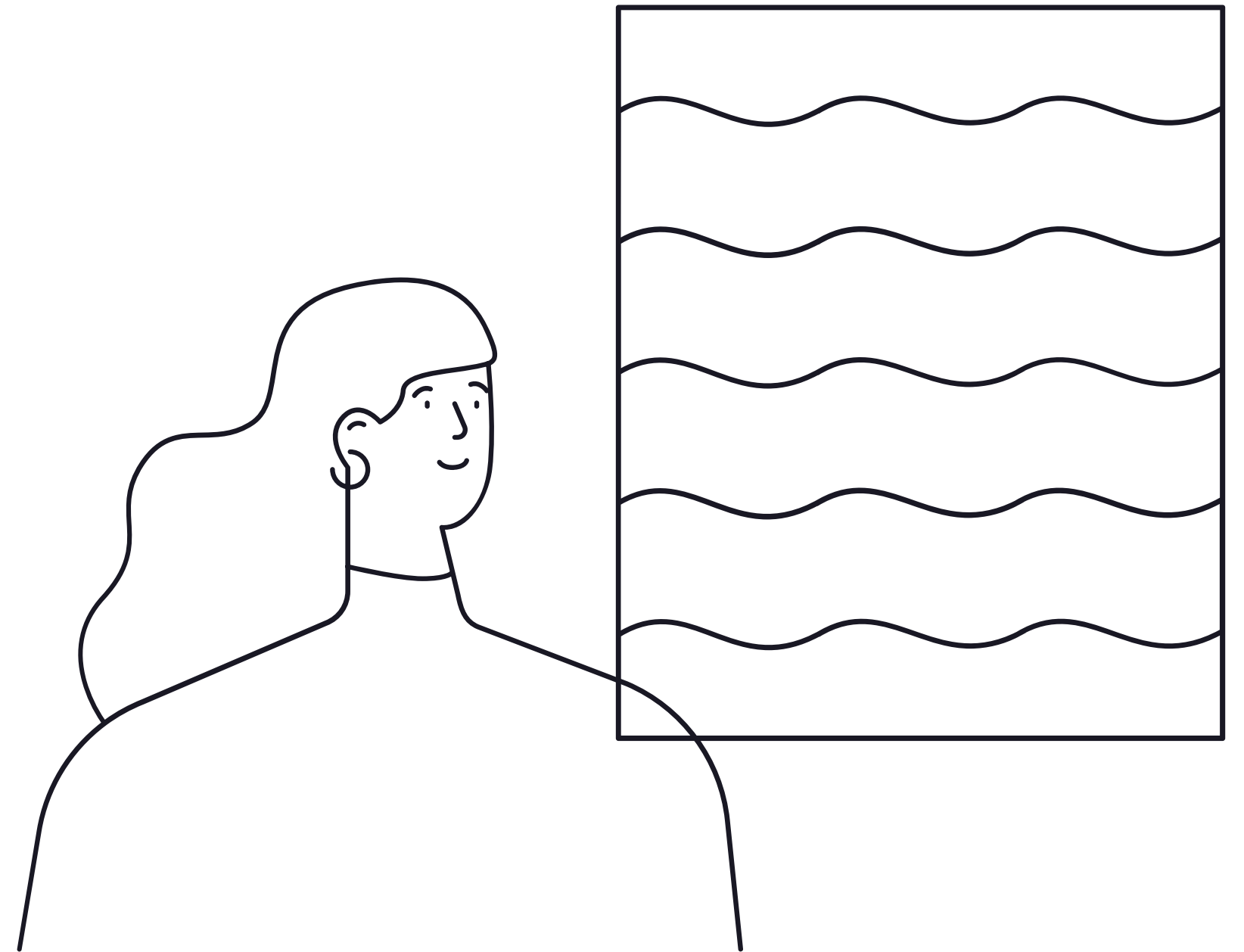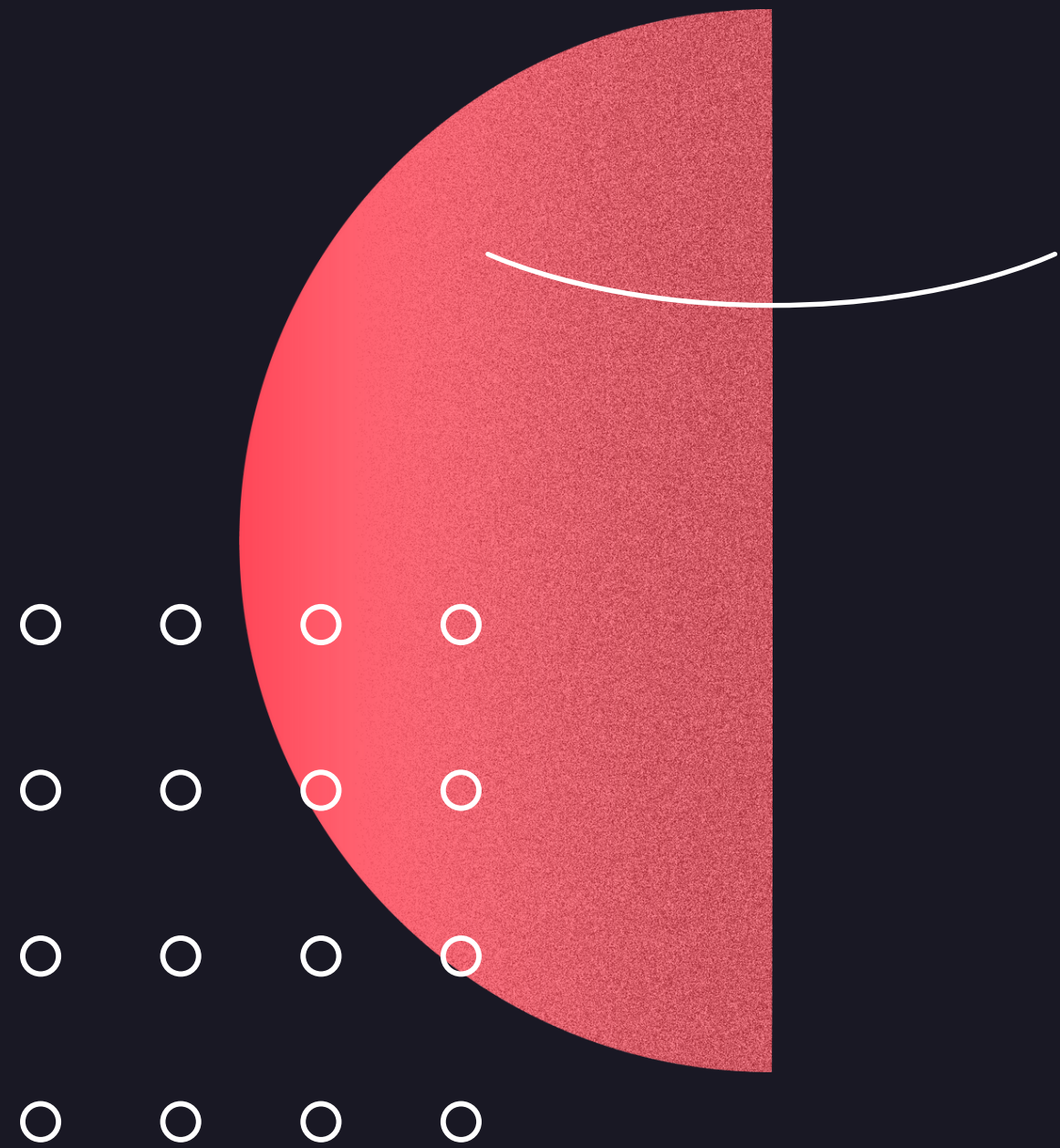# CI/CD & Why do it

Gabiel Rufino

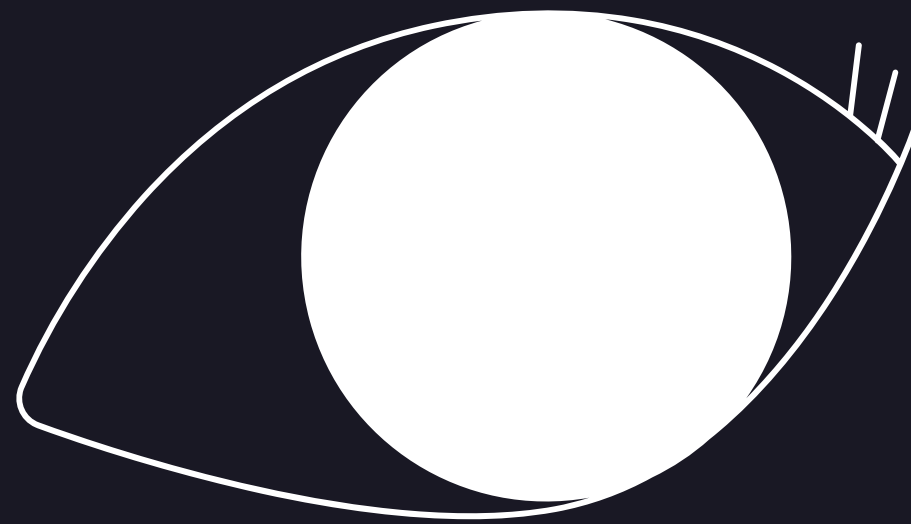# In software, one of the biggest causes of problems is human errors.

But what if we managed to eliminate the need for human intervention as much as possible?

THIS IS THE PURPOSE OF CI/CD.

WE CAN AUTOMATE ALL AUTOMATABLE PROCESSES

HOW CAN WE DO CI/CD?

SOME PHASES

Build:

The idea here is to transform our code in the final output for run jn the server.

Test:

Now, it is time to run all of our automated tests e be sure that the new feature didn't broke the app

Scan:

This phase is very important because here we can find possible problems in-app dependencies and quickly resolves them.

OTHER PHASES

Deploy:

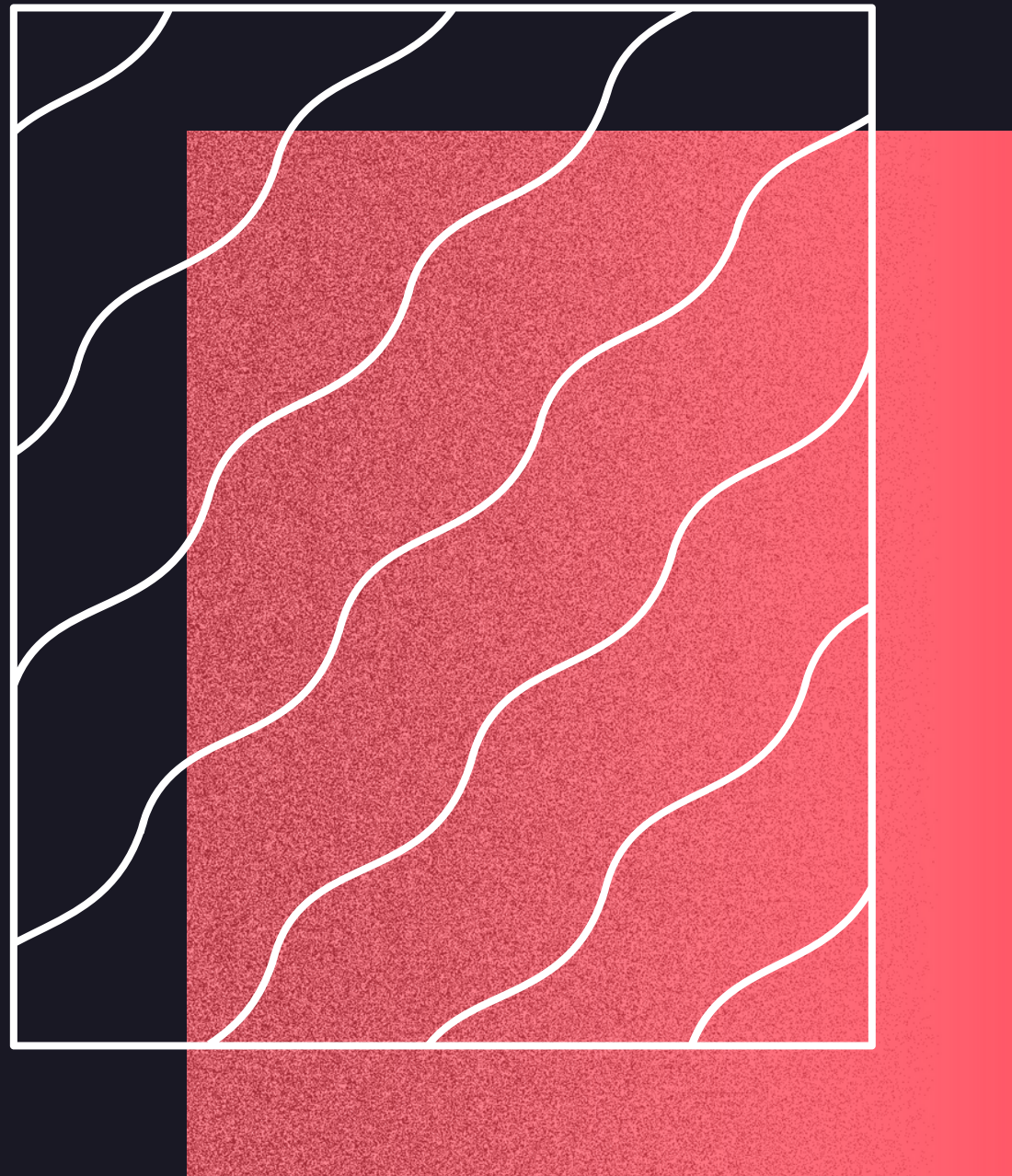Now we can communicate with our instances and send our build to them so our app be available

Smoke tests:

It's important to be as sure as possible that our deploy worked minimally.

Promotion:

Finally, we can promote our new version for production and cleanup the old version.

WHY CI/CD?

Cost effective

Delivery speed

Security