HOW BEACONS.AI USE BRISK TO RUN THEIR TESTS 16X FASTER.

Beacons.ai uses Brisk's CI solution to reduce their test suite execution time from 24 minutes to just 90 seconds.

AT A GLANCE

Challenges

- 24 minute test suite
- Developers wasting time waiting for CI to finish
- Slow engineering velocity

Result

- 90 second total test time
- Code review and merging taking minutes not hours
- 21 hours of developer time saved per day
- CI speed increased by 16X

A CI pipeline's value is inversely proportional to the time it takes to run. Companies with faster CI pipelines deploy more features faster.
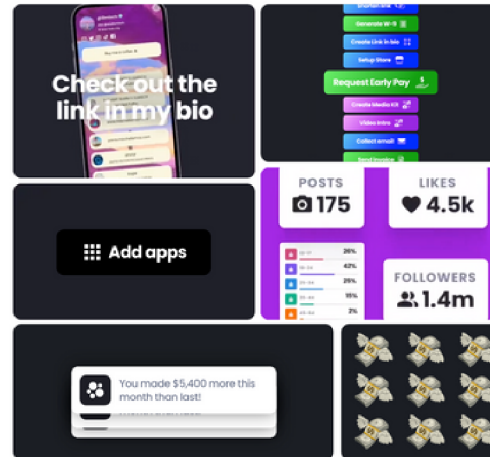
"Our mission is to unblock engineering teams and make waiting for CI a thing of the past"

Sean Reilly

Brisk, Inc

THE PROBLEM

Beacons a developer of AI powered tools for creators had a problem. While they were rapidly building out their product and adding tons of new features to support creators, their CI tests had grown proportionally and had become unwieldy. They tried the main CI platforms but nothing was fast enough. They resigned themselves to using a custom solution using large k8s instances to run their test suite. Each test run took 24 minutes and the delay was a huge drain on developer productivity and engineering velocity.

THE SOLUTION

Beacons.ai were searching for a solution to unblock their 15 person engineering team and were introduced to Brisk.

Brisk integrates with Gitlab runners and Beacons.ai used this integration to quickly get set up running their Jest test suite.

Taking advantage of Brisk's massive concurrency and persistent workers, they were able to reduce their test suite run time from 24 minutes to just 90 seconds per test suite run.

TECH INFO

Tech Stack

React Frontend with Jest, Python Backend, serverless

Brisk Solution

2 CI pipelines with 60 workers each for a total of 120X concurrency. 90 seconds test speed (reduced from 24 minutes).