



GoSpotCheck

“Harness fulfills the promise of True Continuous Delivery.”

“Our pipelines were complex and not cloud agnostic. What took engineers days or weeks can now be done in hours with Harness.”

Nick Wilson, TechOps Lead at GoSpotCheck

GoSpotCheck Continuously Delivers Microservices with Harness

About

- Nick Wilson, TechOps Lead at GoSpotCheck
- GoSpotCheck's real-time execution management platform empowers field teams to collect merchandising, sales, and compliance data – in addition to completing tasks in the field.

Compelling Event

- Building new cloud-native microservices with Go, containers, and Kubernetes.
- Existing deployment workflows were too complex and not cloud agnostic.

CI/CD Challenges

- Deployment workflows were scripted manually in CircleCI to support AWS ECS microservices.
- Deployment workflows were complex, limited, and time-consuming to create, taking 1 engineer a few weeks to create with ongoing support.
- Deployment pipelines weren't agnostic or portable across clouds, stacks, and platforms.
- User Experience and insights to manage deployments was poor – difficult to troubleshoot and debug. YAML config made pipelines brittle.
- Manual verification (smoke tests) in production by QA.
- Rollbacks typically took 30-60 minutes.

Harness Benefits

- Continuous Delivery as-a-Service for agile dev teams across a next-gen infrastructure platform.
- Continuous Delivery Pipelines are agnostic, portable, and dynamic – requiring minimal maintenance by engineers or DevOps.
- Teams can watch, manage, and troubleshoot deployments with ease, in real-time.
- Continuous Verification and Automatic Rollback prevent engineers from having to understand application configuration or dependencies; they don't need to worry about how to roll back.

CI/CD Ecosystem

- Go, Docker, Kubernetes
- Multi-Cloud - Heroku, GCP & AWS
- CircleCI, HashiCorp Terraform
- New Relic, Sumo Logic, Prometheus

Business Impact

- Migrated several applications and services between cloud provider regions in hours with no downtime.
- Deployment pipelines now take hours to create vs. days or weeks.
- Whole engineering organization has been exposed to Harness, with 3-4 agile teams actively using it on a day-to-day basis.
- Production health checks and rollbacks are automated.

“Rollbacks in the past were a 30 to 60 minute process.”

Nick Wilson, TechOps Lead at GoSpotCheck