

How DataRobot Optimizes Test Automation with Rainforest QA

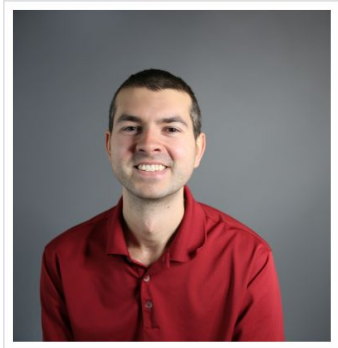


Agenda

- ❖ Welcome
- ❖ Speaker Introductions
- ❖ Automated Testing Benefits and Limitations
- ❖ How DataRobot Optimizes Test Automation with Rainforest QA
- ❖ Key Takeaways
- ❖ Live Q&A



Speakers



Dustin Burke

**Director of Engineering,
DataRobot**

Dustin brings 10+ years of experience in advanced R&D in AI and HMI. At DataRobot, he leads the Engineering Productivity team, where he's championed the implementation of Continuous Delivery for cloud and enterprise pipelines, architected the QA strategy, and led development for a proprietary machine learning testing framework.



Derek Choy

CIO, Rainforest QA

At Rainforest, Derek is responsible for driving technical innovation and scaling a globally distributed engineering team. Additionally, he manages Professional Services and Customer Success. Derek brings experience scaling a similarly distributed engineering team by 10x and supported revenue growth of more than 20x. Derek is passionate about helping teams ship great quality code.



Poll Question

What do you hope to get out of automated testing?

1. Faster Feedback
2. Scalable Test Coverage
3. Brings Focus to Cost Optimization
4. All of the Above



Automated Testing

Benefits and Limitations

- ❖ **Faster feedback** if... the test can be used over and over again
- ❖ **Scalable test coverage** if... the product does not change often
- ❖ **Brings focus to strategy** if... the team has the right skill set



DataRobot's Approach to QA

- ❖ DataRobot's Product and Engineering organization overview
- ❖ “Quality Assistance” vs Quality Assurance
- ❖ Blending automated and human-based testing

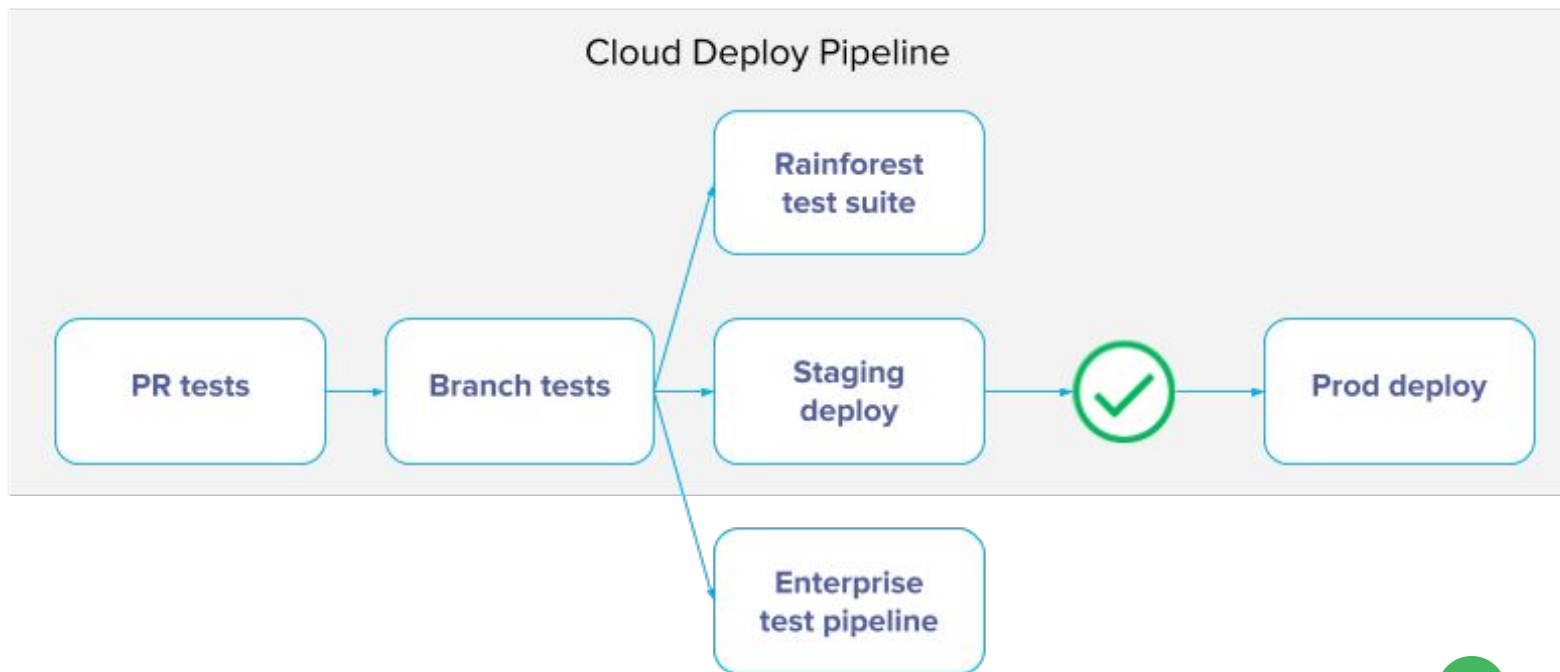


How DataRobot Optimizes Test Automation with Rainforest QA

- ❖ We are strategic with which tests we decide to automate
- ❖ Ask the question, “When is a test case ready to automate?”
- ❖ Empower our development team to leverage test automation efficiently
- ❖ Enable our QA team to integrate with developers at every stage of the development process by using the Rainforest QA platform

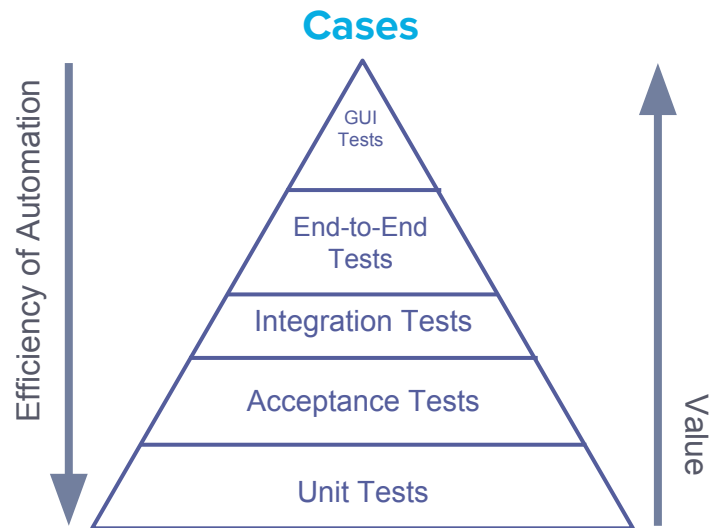


How Rainforest and Test Automation Work Together in DataRobot's CI/CD Pipeline

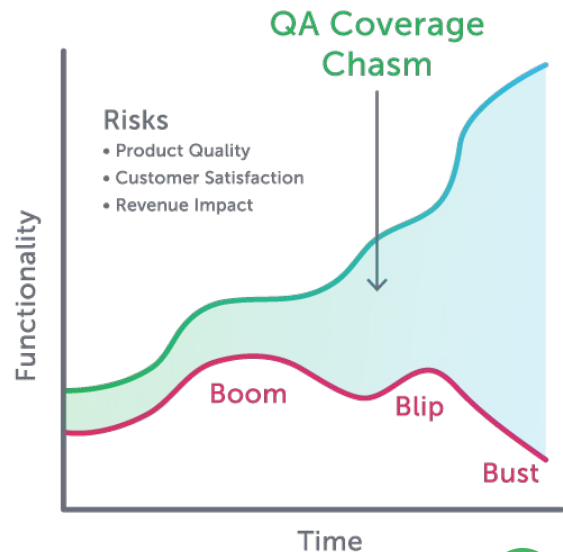


Completing the QA Ecosystem

Automation Fails for High-Value Test Cases



Coverage Lags as Applications Grow



Key Takeaways

- ❖ Be strategic with your QA process
- ❖ To optimize your QA process, mix automated and manual testing
- ❖ There is no one-size-fits-all approach to balancing automated and manual testing --every product and team is unique
- ❖ Leverage tools to speed up the manual testing process



Live Q&A



Thank You!

