

Automation Testing

For

Israel Based Tech Company

Machine Learning (ML) Platform

About the Client:

A machine learning platform built by data scientists, for data scientists. This platform helps teams to manage, build and automate machine learning from research to production.

Business needs addressed:

- The company had to ensure a bug free experience to their customers
- The product is divided into multiple sub modules which are closely tied up to each other, failure of one module can cause multiple issues across the product
- They have their own CLI built which used by most of their customers

Solution:

- TFT deployed a team to understand the product requirements for such a dynamic product which is based on cloud
- The automation team was divided into 2 which 2 members each
- 4 manual resources worked parallelly with the automation team to do the regression
- UI automation was being done on Ruby rspec framework
- CLI automation was being done on Python pytest BDD framework
- TestRail is used as a Test Management Tool
- Jira xray was used for CLI automation reporting as it is mainly cucumber based

ML Platform

ML Platform

Pros:

- Each sprint was marked complete depending upon the QA results which made the product stable and bug free.
- The developer and QA worked together to ensure change by developer doesn't go missed in automation
- CLI automation is more being used as it is less time consuming to run scenario due to no UI involvement.

Cons:

- Short sprints took more resources to verify the failure in issues
- Maintaining branches was challenging if multiple features are merged to prod at once

Current Status:

- We are currently working on Performance Testing
- Locust framework is being used due to its rich community
- Currently we have 8 client resources, and 3 shadow resources are working to keep the demands fulfilled in time

ML Platform

Execution results [1660645843824]

[Attach](#)
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[Tests](#)
[Track time with Clockwork](#)

Description

Add a description...

Tests


120 PASSED **2** FAILED TOTAL TESTS: 122

Filters 100 Columns

Rank	Summary	Test Type	Dataset	#Defects	Status	Actions
<input type="checkbox"/> 1	verify that the kafka endpoint not updated when pro...	Cucumber		0	❌ FAILED	⋮
<input type="checkbox"/> 2	verify if multiple login details are provided then detai...	Cucumber		0	✅ PASSED	⋮
<input type="checkbox"/> 3	verify that if user does not provide email and passw...	Cucumber		0	✅ PASSED	⋮
<input type="checkbox"/> 4	verify user can login with provided email and passw...	Cucumber		0	✅ PASSED	⋮

R4490 adding_zalenium_to_existing_cicd test-2

Defects Reports Rerun Edit Suite



- 871 Passed (95% set to Passed)
- 28 Blocked (3% set to Blocked)
- 0 Retest (0% set to Retest)
- 17 Failed (2% set to Failed)
- 1 Warning (0% set to Warning)

95% passed

0 / 917 untested (0%)

Sort: Section Filter: Status: Blocked, Untested, Retest, Failed, Warning

Projects 1

Title	Case ID	Automation...	tag	Status
Verify that remove users button is disabled from Reviewer login, in Project settings.	C29932			Blocked

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