





Improved test coverage by 80%, reduced QA cycle estimates by 50% with test automation

framework using Python, Selenium, Pytest and Allure Framework

The client

The client is a company that

The client need

The company wanted to address challenges in its

test automation suite that arose from changes in product functionalities in every release. It needed to validate the product features and the APIs' functionalities based on various data sets and address the problem of high latency in navigating to different pages of the applications.

offers security posture assurance for hybrid cloud and automates all aspects of risk, cyber security and compliance assurance.

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What we do

Innominds developed and implemented a test automation framework using Python, Selenium, Pytest and configured Allure Framework to automate the application, service and database layers of the client's products.

We implemented new wrapper methods using python to validate the API's and JSON data and also executed new wrapper methods using python and selenium to perform operations on the Web UI.

Innominds carried out generic Sync wrapper methods to validate and handle the application latency problem. Simultaneously, we put into action a parallel execution support at framework level for multiple devices and browsers in order to reduce the overall script execution time. We deployed frameworks features like capturing snapshot on failures and automatic defect logging into JIRA for a test step failure.

The Test Automation suite was integrated with continuous integration/ continuous delivery for running on each build delivered to QA.

What the client gained



80% increase in test coverage across application, API and database layers



JIRA - Bug Tracking, Selenium



50% reduction in QA cycle estimates



No P1 and P2 defects in production environment.

Test Environment

- Desktop: Windows
- Script language: Python
- Framework: Allure
- Tool: Selenium

About Innominds

Innominds is an AI-first platform-led digital transformation and full-cycle software product engineering services company headquartered in San Jose, CA. Innominds powers the digital

next initiatives of global enterprises and software product companies with an integrated expertise in devices and embedded engineering, software apps and product engineering, cloud, analytics, DevOps, data, security and quality engineering.



