Automation Testing Services using Java-Cucumber Framework

A leading company in the business of fresh fruits & vegetables with an addressable market size of $43 Billion. The operator of a farming support platform designed to simplify agricultural activities using technology. The company's platform partners with farmers and provides services like personalized advisory for yield and grade mix, supply chain facilities, and access to the farm produce marketplace, enabling farmers to operate their functionalities efficiently.

The Challenges

The Client doesn't have a proper QA process and is facing several testing challenges that directly impacted the product's delivery and Quality.

- Lack of Skilled Testers.

- Unstable Environment.

- Unable to find the right tools to automate the application.

- High test cycle time.

Quarks Solution

Quarks provided end-to-end automated testing in an Agile environment, utilizing only open source tools for automation

- Hybrid Test Automation Framework and implemented the continuous delivery using Selenium, Cucumber, TestNG, Maven, Jenkins, docker, etc.

- Launching the application on localhost using docker.

- Implemented CI pipeline using Jenkins.

- Test Reporting Dashboard.

The Benefits

Quarks innovative solutions helped:

- Achieving 90% test coverage.

- Early detection of defects by ~60% by Shift-left automation.

- Reduced testing cycle to 30 mins.

- Reduced time to market since the QA process doesn't take as much time.