

Case Study: Agile Testing

A US-based national educational publisher, developing proven K-12 instructional materials and platform engaged CloudScale agile testing teams to achieve seamless integration with their Agile development team and to extend their capabilities into in-sprint test automation.

Introduction: The client intended to enable business users with no coding skills to work along with developers and testers to author acceptance tests early in the life cycle. The business team wanted more frequent releases while achieving extensive coverage (across devices/OS/browser stacks)

Problem statement

- The client wanted implementation of essential updates and enhancements faster than competition
- Need for comprehensive test coverage catering to the frequent build cycle and re-usable test suite for in-sprint testing and release testing
- Build a good CI/CD pipeline and orchestrate automated build movements using Git, Travis CI, Selenium, Rest Assured and test execution on the cloud using SauceLabs

Solution and implementation

- Used BDD approach to author acceptance tests early in the sprint lifecycle and started capturing feature files and scenarios
- CloudScaleQA team leveraged a home-grown framework to develop automated acceptance tests early in the life cycle
- CloudScaleQA teams used RestAssured for API test automation
- SauceLabs infrastructure has been leveraged to achieve parallel test execution

Results:

- CloudScaleQA helped improve efficiency for the client. The team seamlessly integrated with client's agile development team and provided thought leadership on test strategy, automated acceptance test approach
- Achieved 50% reduction in release cycle time and saved testing costs significantly
- Established and institutionalized BDD approach inside the client development organization

CloudScaleQA testing experts ensure that your application can deliver a seamless and delightful user experience in terms of navigation, comprehension, performance and interactions for a variety of users.

