

AUTOMATED 500 COMPLEX TEST cases within 3 months using Selenium for a US based Healthcare Solutions Major

QA AUTOMATION

By Numbers

60%

of Automation Coverage within 5 months

2 WEEKS

Free Pilot Project to identify right tool

TEAM

2 Automation Testers (5+ experience) + 1 Test Lead (8+ experience)

Challenges

Our customer is a pioneer in Healthcare space by providing an Online interaction management platform for doctors and patients. This platform digital health platform streamlines the entire communication process to create a better patient experience with every interaction in web and mobile (Android and iOS). Our customer came to us initially with the following challenges.

- Lack of test automation stability with frequent Changes & iterations
- Imminent need for Multi-Platform / Browser support
- Highly complex test cases
- High defect leakage ratio without scalable automation framework

Technology Snapshot

Tools used: Selenium, Appium & Z-Automate.

Project Management: Continuous Integration using Jenkins.

Browser Support: Firefox , Google chrome & IE, Safari Platforms – Windows 8.1, 7, 10 and Mac OS.

Platform Support: Web & Mobile (iOS & Android).

Solution

Zado has approached the challenges with our innovative Engagement model - Enhance – Optimize – Transfer (EOT). We have started with a pilot project by creating 100 test cases and automating it using selenium within 1.5 months. After crossing the Enhance phase, we have started building additional test cases/ scripts and scenarios by taking into the complex nature of the application. Since it's a combination of multiple browsers/ streaming capabilities/ multi layered data centric platform, we have taken the step by step process and automated their 500 web app test cases in 3 months. We have helped our customer to achieve 60% automation coverage 5 months and our current status in automation remains steady, consistent and we maintain a good automation working relationship with our customer.

Key Engagement highlights

- Used our product Z-automate to test all scenarios extensively
- 60+ defects were identified in enhance phase
- Maintained dedicated Quality center for our customer
- Tested their mobile app with real devices using Zado's mobile test lab (Android and iOS)
- Continuous Integration Testing, Automation Regression Testing.
- Multi Environment Support

Benefits

- Developed scalable and robust test scripts
- Reduced defect leakage from 8% to 2% within 5 months
- Improved developers testers collaboration by implementing CI tools (Jenkins & Maven)
- Implemented Selenium as a core test automation tool for one of the complex applications in the industry
- Worked seamlessly with weekly one release mode - Test Scripts update and script creation at the same time.
- Ongoing maintenance of test scripts & Continuous QA Regression Support