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Quality That Creates Value
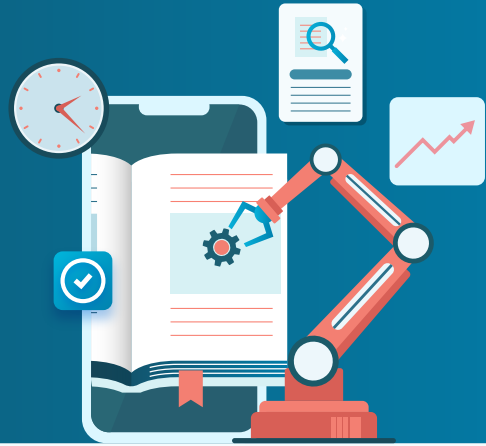
e-Publishing Company Reduces Release Time by 75% with Test Automation

Challenges

Though a top e-publishing company has a large, skilled team of 100+ developers, 53 functional QA engineers, and 10 automation engineers, they needed help refining their approach to test automation, building out best practices and processes, and minimizing manual effort during release cycles.

Before partnering with QASource, the online publishing company faced some hefty challenges, including an 8-week release cycle consisting of roughly 40,000 hours of combined work across their team. Plus, each release required the full time commitment of 20+ functional QA engineers.

In addition to these time and resource challenges, there were no available automation tracking tools in place, a wealth of false positives in the existing automation framework, and no way to generate test data.

Solutions

- **Thoughtful Team Design:** Through team extension, QASource was able to augment our client's team in an effective way, ramping up a team of 30 test automation experts in just four weeks.

  From there, the 30-engineer team was split into five smaller teams to increase automation coverage and focus on key milestones. This was supported by timeline-based reports, detailed progress tracking, and frequent check-in calls with client stakeholders.

About Our Client

Our client is an online publishing company delivering premium digital content to libraries, organizations, and healthcare professionals. They serve a high volume of users through their platform, and also distribute content through databases and online journals and magazines.

Industry
Online Publishing and Education

75%
More Automation Coverage

76%
Reduction in Manual Engineers

30
Engineers Ramped Up

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- **Test Automation:** After designing and developing a robust automation framework and necessary libraries, the QASource team helped automate 75% of regression test cases across multiple product interfaces.

- **Regression Analysis:** Without clear reporting and bug tracking, it's hard to gauge progress and improve quality. QASource implemented a daily analysis of nightly regression tests, fixing any false positives and reporting new bugs promptly.

Results

- Cut client's 40,000 hour release effort by 75%

- Increased automation coverage to 75%

- Reduced manual engineer count by 76%

- Delivered the 6-months fixed cost project on time and on budget

- Delivered process outline, checklists, and automation reports to a centralized wiki

- Evaluated and refactored remaining manual test cases and built an automation backlog

To speak with a specialist, please visit qasource.com