

Software Testing Engagement for a Leading Component Development Company for Retirement Industry.

Client

Our client is a leading component development company for America's Retirement Industry.

Objective

The client wanted to carry-out structured testing approach using customized Regression and Integration Testing for every Agile release which should reduce post-production issues, operational cost and increase confidence on seamless integration for various customized functionalities.

Key challenges

Understanding of complex business functionalities which are customized to cater various customer needs was the biggest challenge. Designing regression suites to fit in releases ranging from one week to three weeks.

Solution

- Congruent deployed an on-site team to collect and understand business needs and Customization which in-turn enabled smooth Knowledge Transfer to the offshore team.
- Master Regression Suite was prepared and customized to cater pre-planned releases of various timeframe ranging from one to three weeks. Congruent testing team was flexible in planning, designing and executing test for adhoc/ patch releases.
- Congruent testing team ensured to have 100% test coverage on all front; especially for customized functionalities. Complies with no single point of failure principal

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CASE STUDY

- Fault tolerant, capable of recovering and restarting from any unforeseen environmental issues.

Benefits

Automated testing helped the team in achieving the objective of the whole engagement. Congruent knowledge on various testing tools such as UFT, SoapUI Pro helped in saving time and ensuring coverage and quality delivery.

Productivity Benefits

- Automated Regression Testing ensured Effort and Schedule savings as compared to Manual Regression Testing.
- Seamless Knowledge Transition between On-site and Off-shore team saved time for Client.
- Quick ramp up and ramp down of resources

Quality Benefits

- Well established BTM helps in efficient functional impact analysis
- Proven methodology for testing
- Well defined testing framework
- 100% test coverage

Cost Benefits

- Cost saving by test automation
- Reduced cost and time in managing resources at Client end
- Flexible resourcing based on load variation
- Right mix of resource modelling (10% Onsite and 90% offshore) saved huge cost

Technology Used

Manual Testing – Congruent Standard Testing Practice

Automation – QTP 11, 11.5, Support Flow, Test Link, Soap UI PRO, VB Scripts