



Case Study

Ambient Clinical Analytics test automation

The Client

Customer: Ambient Clinical Analytics
Country: Minnesota, USA
Solution: Clinical Decision Tool

Ambient Clinical Analytics healthcare tools have revolutionized the way critical care providers operate. The Minnesota-based company develops clinical decision support and alerting tools for hospitals to reduce overall health care cost and improve patient outcomes.

The Business Challenge

- Automate the testing of one of the Ambient Clinical Analytics software applications.
- The ACA application is a real-time decision support tool and a multi-patient workflow management tool used in emergency departments and acute care settings to provide real-time situational awareness.
- Ensure product quality and mitigating product risks associated with solution deployment.
- Reduce time taken to execute test scenarios during new site deployments.

About Fortude

Fortude is a global enterprise technology solutions partner providing ERP solutions, business intelligence, managed services and enterprise software development services. Fortude provides Apparel ERP technology solutions to manufacturers around the world and is a part of the single largest apparel exporter in Sri Lanka with over 40 locations across South Asia.

Our Solution & Approach

- The project was initiated by training the offshore QA resources on the customer application.
- The TestComplete test automation tool was used for test script execution and management.
- Automation test scripts were created for the entire test suite.
- The test scripts were prepared and executed on the client servers.
- Ensured data integrity and scope coverage.
- Generated unique data sets from production data.
- Automation scripts were prepared while manually testing the application. This reduced the regression and smoke testing efforts in subsequent releases.

Impact

- Significantly improved execution efficiency compared to manual testing, resulting in cycle time reduction.
- Saved 60% of testing effort via test automation.
- Automation scripts enabled ACA to test the application independently without Fortude support for new site deployments.
- The project was completed without additional testing support from Fortude.
- Validated over 500 test cases.
- Delivered the project objectives on time.
- Provided more testing coverage enabling execution of all test scenarios.