Xoriant

Success Story

From Functional Regression to Streamlined Automation

How a global retail solutions leader reduces 21 man days of testing effort to just 18 hours using iAutomate

Our client, with a successful history of two decades, is a prominent player in the global retail solutions space, providing comprehensive solutions to help businesses keep track of their inventory. They specialize in using RFID technology and tag-based solutions to efficiently manage merchandise, enable businesses to optimize their inventory processes and improve their bottom line.

Challenges

The client's engineering team used manual regression testing that highly impacted their product delivery. Existing end-to-end automation process was taking around a month to complete. The prime challenges included:

In-house frameworks were not scalable to run regression suite on various environments	Functional automation suite was inefficient with redundant suites and test cases	Huge operating costs with slow go-to-market led to insubstantial business outcomes

Delivered

Impressed by Xoriant's deep domain expertise in digital quality assurance and the inhouse engineered iAutomate framework, the client turned to us to transform automation. Working closely with the client, Xoriant rapidly streamlined automation.

Implemented	Customized	Ensured
iAutomate for Android and iOS, ensuring a separate packaging structure to avoid conflicts	Branching and test strategies specific to the client's needs in order to ensure test control	Behavior-driven iAutomate to enable easy understanding of test cases for testers and analysts

Set up	Enabled
A scheduled job on Jenkins job pipeline to facilitate daily execution	Atomic test data creation to reduce dependencies, making it highly scalable

Business Value

Automated
400 test cases on Android and iOS platforms, making it efficient

Enabled
End-to-end defect discovery through development and execution phases

Achieved
Significant resource utilization reduction from 21 man days to just 18 hours

Technology Stack

Java, Appium, REST Assured, Cucumber BDD, ExtentReports