

Elevating Shopper Experience with iAutomate-Powered Retail Solution

How we enabled a seamless transition towards test automation for a merchandise management solution provider

The client is a leading player in merchandise management, specializing in inventory reconciliation through cutting-edge RFID and tag-based solutions.

Challenges

A major challenge that the client faced was posed during the transition towards test automation.

Manual regression pack took a month, hindering testing cycle

Automation frameworks hindered by scalability limitations in diverse environments

Previous automation suite had redundant, unclear test cases.

Solution

In tackling the challenges at hand, Xoriant conducted a Proof of Concept (POC) for three automation frameworks: Katalon, Perfecto, and iAutomate. After careful evaluation, the client opted for iAutomate due to its ease of expansion and cost-effectiveness.

Integrated

iAutomate on Android and iOS for multi-environment support & distinct packaging structure to mitigate conflicts

Ensured

Compatibility for test scripting with multiple platforms and multiple devices

Customized

Branching and test strategies to improve testing control, minimize errors and optimize efficiency

Incorporated

BDD for iAutomate for enhancing collaboration, making test cases comprehensible for manual testers and analysts

Implemented

Capability to run the entire execution in a single business unit for restricted data environments

Executed

Mobile automation suite on GCP & high configured machined leading to reduced execution time & cost-effectiveness

Business Value



Automated

1400 test cases on Android and iOS ensuring comprehensive test coverage & testing consistency



Slashed

Regression time from **15 man-days** to **2.25 man-days** leading to better resource utilization



Improved

Defect detection throughout the development lifecycle

Technology Stack

Java | Appium | Rest Assured | Cucumber BDD | Extent reports |

Xoriant provides advanced technology solutions and software development services for global banks, software product companies and F500 market leaders. Based in the U.S. with 18 global offices and 5000+ engineering professionals, Xoriant demonstrates exceptional experience in banking and finance infrastructure modernization and cloud migration. We deliver expert digital engineering, as well as offsite and offshore services, across high tech, healthcare, pharma, industrial manufacturing, telecom, and automotive sectors. Customers credit technological innovation and delivery excellence for our shared success over three decades.