infogain
Engineering Business Outcomes

Delivered significant savings in license cost and test execution effort for a large Insurance product engineering company

The Client

The client develops software used by the automotive industry to manage Collison and medical claims, replacements and so on. It operates throughout the United States and Canada and processes more than 50 million transactions a year.

Business and Technical Challenges

▸ Long test cycle of 3 weeks negatively impacting time-to-market
▸ Production issues for a desktop product used by large number of users led to huge support and patch fix cost
▸ Lack of scalable test automation platform
▸ Heavy dependence on Licensed Microsoft Test Automation tools
▸ Lack of reusability of test automation scripts between scrum teams and system testing teams
▸ Manual testing wasn't able to validate all data combinations leading to a high production defect backlog

Solutions and Scope of Work

▸ 90% Product automation coverage achieved across different product lines using Infogain Unified Automation Platform (UAP) framework
▸ Weekly complete regression execution of ~ 45000 test conditions
▸ Dynamic Test Suite creation and execution integrated with DevOps pipeline for targeted regression on nightly builds
▸ Common test automation framework used across all scrum and system testing teams leading to reusability of automation scripts
▸ Changed test automation strategy from 100% UI driven to 70:30 ratio between UI and Web Services based automation making it more scalable, reliable and reduced maintenance cost

Business Results

▸ Saved $1 Million in annual license cost for Microsoft Visual Studio used earlier for test automation by moving to UAP
▸ Shorter application QA cycles from the earlier 3 weeks to 3 business days , leading to additional saving of effort and cost spent in hardening sprint.
▸ Reduced Total cost of ownership (TCO) for the client through sharing of resources and tools across projects
▸ Improved customer's confidence in the build and reduced time-to-market for the product resulting in greater success for client

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