



## Implementing Keyword Driven Test Automation for a Large Insurance Brokerage Firm

### Client

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The client is one of the largest insurance brokerages and consulting firms based out of the US. They offer retirement, commercial, life, and personal insurance, as well as wealth management and human resource consulting services across the world.

### Challenges

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The client was looking to automate the regression and smoke test suite for one of their web-based application to minimize the effort required to execute them every time an enhancement or feature upgrade was made to the application.

Given that new features and enhancements were frequently being added to the existing application, the client was also looking to implement test automation to reduce testing times, increase the number of test cases and improve the overall system quality. They wanted a light, plug and play kind of test automation that could be implemented quickly and could be executed by the existing manual testing team.

### Solution

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Opteamix designed a test automation solution that was based on the Keyword Driven Framework and was equipped with an excel interface to manage and execute the tests. This solution was chosen primarily so that the test automation framework could piggyback on the functions that were already developed by the development team. In doing so, there would be no need to write new code as part of the solution implementation. The keywords were mapped to a function, which implemented the actions related to that keyword.

As part of the solution implemented, test result reporting was also included to help the testers understand the issues where the test case failed.

### Value Delivered

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As a result of the Keyword Driven test automation framework, the client enjoyed the following benefits -

-  The client was able to achieve significant cost savings to the tune of 75% by leveraging a combination of global delivery and ready to use test automation frameworks.

- ▶ The solution helped the client achieve close to 50% reduction in time, effort and cost involved in regression testing.
- ▶ The client attained a 95% test automation coverage of the regression and smoke test suite.
- ▶ Smoke testing that would take up to 60 minutes to be executed could now be carried out under 10 minutes.
- ▶ The excel-based solution was easy to use for the client's large team of manual testers. They could automate the test cases without possessing prior knowledge that was usually required for other test automation solutions.

## About Opteamix

Opteamix is a digital automation technology consulting firm with deep expertise in Application Development, Robotic Process Automation, Artificial Intelligence, DevOps, Enterprise Mobility, and Test Automation Services. We are headquartered in Denver, Colorado with a wholly-owned delivery center in Bangalore, India.