

A global provider of investment management software maximizes efficiencies across trading operations and portfolio management with the help of a scalable test automation framework.



PROBLEM STATEMENT

The client is a 25-year-old US-based global investment management software company helping the entire investment community maximize efficiencies across trade order management and execution, portfolio analytics, etc.

With 70K trade executions taking place daily across 45 countries, the client's goal was to automate operational and trading processes. As a first step, they wanted to easily integrate and simplify the existing investment workflows to help portfolio managers make accurate, informed investment decisions.

However, achieving that target wasn't easy as continuous code updates hindered the reusable components' design pace. The client figured out that they need to have a continuous test environment to test business checkpoints and a customized algorithm to position dynamic checkpoints.

With such challenges in place, the client turned to Zuci for building an automated test framework to solve their challenges and achieve the business goals.



Post analysis of the existing test approaches, test engineers at Zuci outlined a customized plan to suit the client team's needs.



Proposed Behavior Driven Testing (BDT) approach for automation to focus on business-driven workflows



Created regression test suites in line with business functionality for early defect detection



Automated complex application UI layer with the help of widely used testing tools





Built a robust test automation framework for their portfolio management system (PMS) application



Set up continuous testing of applications with the right test automation strategy to ensure that the framework can be fine-tuned to support all the application versions.



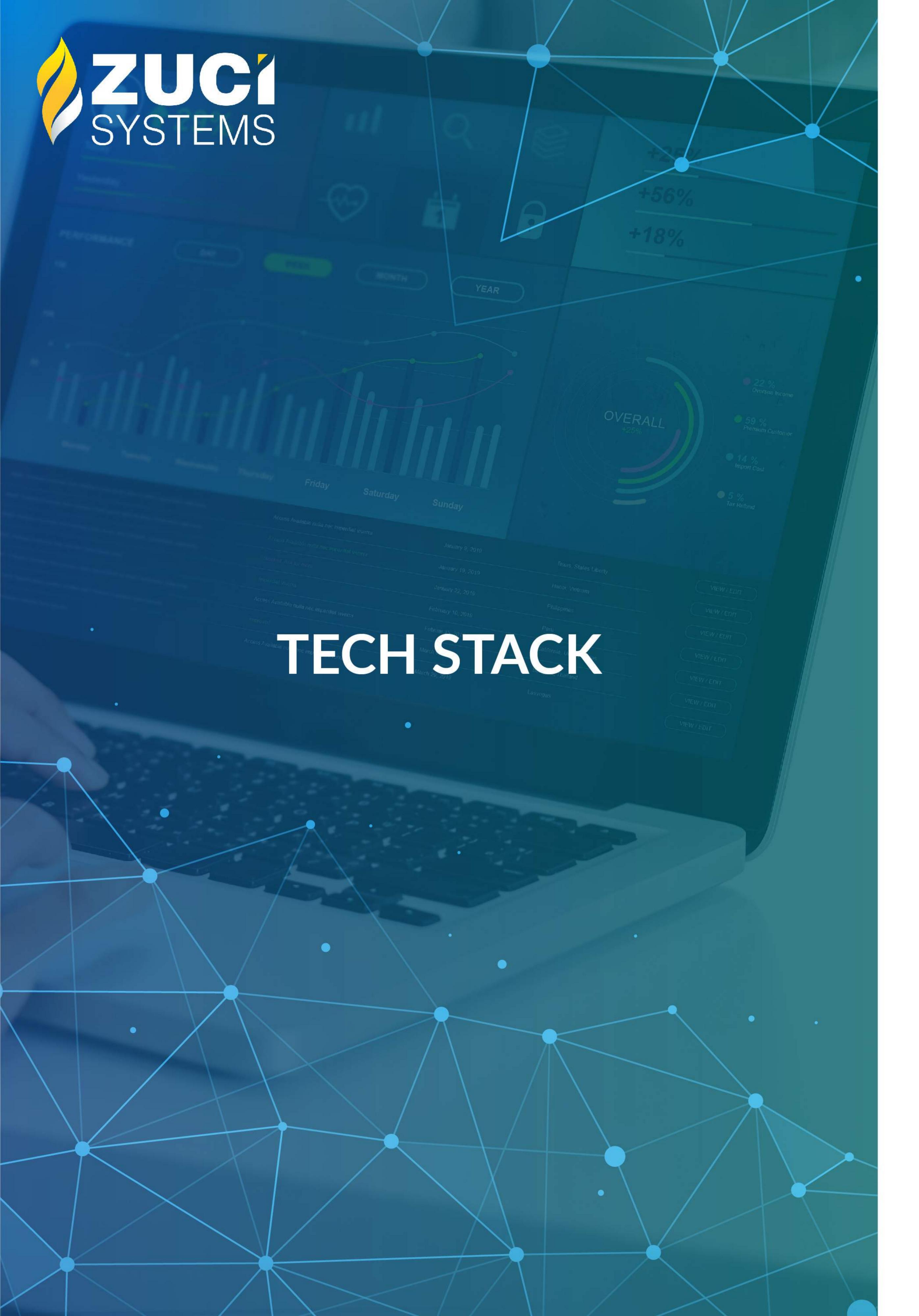
Ensured that the data is processed in the right way through dynamic checkpoints and logging.



Guaranteed that continuous testing runs helps the users stay informed about their change in functionalities and defects at runtime.

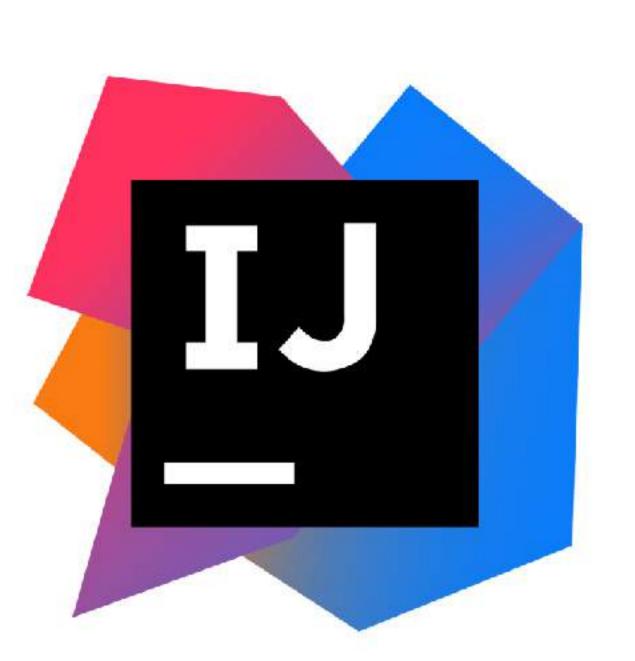


Implemented a framework user-friendly for the manual testers to test applications BDD integration.











40 minutes

to build sanity suite and validate key business workflows

40%
reduction in manual testing hours

90%

test automation coverage

93% increase in defect finding rate

"With our vast expertise in QA, strong technical skills in TestComplete - Java and commitment we were able to deliver large regression suites in short span of time. Thus, helping in regression cycles."

- Anil Kumar (Head of Technology)



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