



Powered by Passion



CASE STUDY

Built Scalable Test Automation
Framework for a Leading Investment
Technology Solutions Firm

About the company

A global provider of investment management software for the entire investment community, maximizing efficiencies across trade order management and execution, portfolio analytics and modeling, operations, compliance etc.

Business Goals

- Simplify and Automate operational and trading processes
- Easy Integration with the existing investment workflows
- Help portfolio managers make accurate, informed investment decisions by providing automated order management solutions

How Zuci helped

- Behavior Driven Testing Approach for Automation to focus on business driven workflows
- Regression Suites built in line with business functionality for early defect detection
- Complex Application UI automated using Smartbear's TestComplete

Challenges

- Continuous code updates challenged the design of reusable components
- Connecting remotely located teams and integrating the code with IntelliJ (Cucumber)
- Business checkpoints were high in number which took time in a Continuous Test environment
- Customized algorithm needed to position dynamic checkpoints

Solutions



- Built a robust Test Automation Framework using TestComplete and Cucumber for the Tradar PMS application.
- Performed Continuous Testing of applications with right test automation strategy to ensure that the framework built for a certain version supports all the versions of the application with very minimal changes.
- Ensured that the data is processed in a right way through Dynamic Checkpoints and logging.
- Implemented Test Automation using TestComplete for Trader PMS application with continuous testing to keep the users informed about their change in functionalities and defects at runtime.
- Implemented a framework user-friendly for the manual testers to test applications using IntelliJ-TestComplete Cucumber BDD Integration.



Outcome

- Sanity Suite built to run in 40 minutes to validate key business workflows
- Reduced Manual Testing by 40% enabling manual testers focus on tests that required their support.
- 90% Test Automation coverage
- 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)

Tech Stack



Maven



About Zuci

We are revolutionizing the way software platforms are engineered with the help of patented AI and deep learning models. Driven by our competency in delivering superior customer experience, business efficiency, and actionable insights we have evolved to developing cutting-edge technology with a nimble and collaborative approach.



+1(214) 230 - 9824



sales@zucisystems.com



Chicago, US

WWW.ZUCISYSTEMS.COM