

**IMPROVED QUALITY OF THE APPLICATION FOR A LEADING NBFC IN INDIA THAT PROVIDES
COMPLETE END-TO-END DIGITAL DELIVERY OF DEBT TRANSACTIONS FOR BOTH
INSTITUTIONAL AND RETAIL COMPANIES.**

CASE STUDY

TEST AUTOMATION FOR FINANCIAL ACCURACY



A leader in the NBFC space saves manual testing hours and improves test coverage and quality with Zuci's test automation framework.

PROBLEM STATEMENT

Our client - a leading NBFC in India that provides access to debt for under-banked individuals and businesses in India – has developed a solid platform for their institutional and retail clients. With 250 + client partners and investors, the application delivers complete end-to-end digital delivery of debt transactions, including client onboarding, approval of credit exposure limits, credit decisioning, data-driven risk monitoring, and analytics, and documentation (including e-stamping and digital signatures of documentation).

The platform, well adopted and appreciated by its users, aims to provide faster transaction closures and turnaround times, minimal manual intervention for seamless data flow, operational efficiencies, and better terms for borrowers and investors.

Since the platform is focused on financial accuracy and faster transactions, the client wanted to doubly ascertain the quality of each releases.

HOW ZUCI SYSTEMS HELPED?

In order to help the client meet the core business objective, Zuci assigned 2 Test Automation Engineers. The QA team smoothly integrated into the established Agile delivery ecosystem and



Created test cases for functional, regression workflows and verified their correct operations.



Started off with an UI level Test Automation and extended to Web app and API in parallel with manual testing.



Integrated test scripts to Gitlab, I.e., client's continuous integration tool



Built a Testlink dashboard for viewing test automation results and integrated well with their Power BI and MS Teams to stay updated on the test execution results

SOLUTION



Run automated tests using Java + Selenium using TestNG framework



Test engineers wrote test cases based on user stories and implemented parallel execution of the test cases



Paved a path for iterative test automation down the line to achieve higher test coverage using Test automation pyramid strategy

BUSINESS OUTCOME



Accelerated test time and identified defect leakage faster



Improved reporting and end-to-end visibility of quality process for all stakeholders



End-users witness a reduction in the number of bugs



Test automation helped receive quick feedback on the operation



Slashed test execution time drastically from 700 minutes to 70 minutes

IN NUMBERS

700+

Automated UI and API test cases executed

70%

Regression testing done with 2 QA engineers

100%

Compliance with action plan

150+

Person-hours saved monthly

24

Months of project duration

TECH STACK



TestNG





**BOOK A 30-MINUTE MEETING WITH OUR TEST AUTOMATION CONSULTANT
TO IDENTIFY AREAS OF IMPROVEMENT IN QA**

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www.zucisystems.com



Chennai, TamilNadu
Chicago, Illinois
Brussels, Belgium



US: +1 (331) 903-5007
Belgium: +32 477411912
India: +91 (44) 49525020



sales@zucisystems.com