

From Weeks to Hours: The Test Automation Success Story of a Leading FinTech Company

About The Client

This New York-based Fintech company is a leading provider of custom capital solutions to small businesses, offering innovative and efficient financing options.



The Problem

The client was looking to speed up their software delivery process while ensuring the quality of their products. However, they were facing significant delays due to manual regression testing. To overcome this challenge and improve their release cycle, they decided to partner with TVS Next. With our help, they were able to revolutionize their testing capabilities and boost their productivity.

The Challenge

Performing regression testing manually had become the primary obstacle in the release process. It was not only extremely time-consuming, taking more than a week to complete even with a dedicated team of 5 manual testers, but it also carried a significant risk of human error, which could compromise the overall reliability of releases. This comprehensive and meticulous process called for a more efficient and dependable solution to ensure smoother and error-free deployments.

Services



Quality Engineering

Accelerated Testing



Technology

- Playwright with JavaScript
- K6, Docker
- Azure DevOps
- Newrelic



The Approach

TVS Next was chosen due to our innovative and forward-thinking approach. We suggested using a Playwright-JavaScript-based automation framework, which has several advantages over traditional Selenium-based approaches. This framework provides stability and improves scalability and maintainability, laying a solid foundation for future growth and success. With our expertise and advanced solutions, they were able to confidently navigate the ever-changing technology landscape.

The Result

The Fintech company revolutionized its testing process by adopting the advanced Playwright framework. What was a week-long, laborious ordeal has now become a streamlined task that takes only a few hours. This significant improvement has drastically reduced cycle times and costs while eliminating the risks associated with human errors. By leveraging Playwright, the company has gained a competitive edge in ensuring the reliability and efficiency of its software testing procedures.

Key Outcomes



Regression Time Reduction

Achieved 85% reduction in regression testing time, from 2 weeks to 3 days.



Test Coverage Improvement

Enhanced regression test coverage by 40%, reducing the risk of defects reaching production.



Zero Regression Defect Leakage

Ensured 100% product reliability with no regression defects leaking into production.



Instant Test Reports

The integration of Azure DevOps enabled real-time access to test reports, adding transparency and immediacy to the process.