



# Automation and Regression Testing of Fraud Management Application



TalentPace delivered fast and Effective test coverage allowed our BFSI customer to roll out new features in a quick turnaround time

## Customer Profile

Client is a leading provider of intelligent decision-support solutions for the financial and e-commerce industries. Client's client/server products incorporate innovative pattern-recognition technologies ideally suited for data-intensive, real-time decision applications. The company's products provide predictive fraud detection and case management for e-commerce fraud, credit, debit, retail and commercial card fraud, as well as merchant fraud, and money laundering.

## Business Scenario

- Financial Fraud Analysis and Review (A&R) Web Administrator is a member of Retail Decisions family of customer's fraud management products.
- Product was created to manage all user preferences and actions within all Web Client applications.
- Each fraud management application has been specifically designed to assist in the elimination of losses caused by fraudulent transactions.
- Applications run on multiple browsers with different client interfaces. Functionalities of all the client interfaces is similar up to 90%, however there will be variations in remaining 10% of functionalities.
- Every week regression suite with 658 test cases has to be executed for each client. This is quite tedious job and requires automation of test cases.

## Solution Delivered

- TalentPace conducted multiple interactions to understand project functionality and test case execution and maintenance requirements.
- TalentPace have built Hybrid framework from scratch and wrote scripts for test automation of client web application. Designed framework and test scripts with inbuilt intelligence to handle client specific functional changes.
- Runs for multiple sets of Test Data provided in the Excel Files
- Allows independent execution of each test script also each test scenario and generates html test report both at detailed and executive level.
- Executive dashboard is created for test execution pattern analysis with Test failures are captured with proper screenshots.
- Automation Tests can be created even by Non-technical users using appropriate keyword functions.
- Scripts runs in parallel by effectively using Grid Environment thereby minimizing the time required for results generation.

## Business Benefits

- Automating the 95% (658 test cases) took just under 10 weeks to complete and this encompassed validation on a Database and 85 % Total test cycle reduction after automation, 65% overall cost reduction through the near shore model.
- Increased reusability of test cases across multiple clients at Low maintenance costs of test cases and processes.
- Possibility of implementing test metrics to guide decision-making
- Introduction of benchmarks to increase software quality

## Technologies

- Selenium WebDriver
- Java
- Firebug
- Jenkins
- ANT
- Jira



---

*TalentPace's commitment and ability continues to impress us. We appreciate their willingness to go the extra mile and ensure customer satisfaction. Their subject matter expertise and domain knowledge combined with technical expertise in solving complex business problems, enables them to add value to every solution.*

**Naveen**

Chief Executive Officer  
Joshika Technologies, Bangalore

---

Verify that the application responds to user requests in < 5 s

## About TalentPace

TalentPace is a leading new generation information technology and global consulting services company delivering IT enabled solutions to the customers from across the geographies. Deep industry experience combined with customer centric approach makes TalentPace a remarkable partner in successful business outcomes. Our strong commitment and demonstrable capabilities TalentPace always delivered measurable and sustainable services to our customers. For more information, please visit [www.talentpace.com](http://www.talentpace.com) or write to us at [info@talentpace.com](mailto:info@talentpace.com)

---

**DO BUSINESS BETTER**

CONSULTING | SYSTEM INTEGRATION | BUSINESS PROCESS SERVICES