

— CASE STUDY

A logistics and supply chain company with a fleet of 5,000 Cut Regression Testing Time by 70%

Low-code workflow automation that replaced manual execution of nearly 100 fulfillment API requests, and let analysts run validations without writing scripts.

— OVERVIEW

Automating Nearly 100 Fulfillment APIs, No Scripts Required

The client runs procurement and fulfillment for a high-volume retail supply chain, headquartered in the United States. Its shipping functionality was spread across nearly one hundred API requests, each changing with frequent system updates.

The Challenge

Every regression cycle meant executing, checking and consolidating each API request by hand. Skilled testers spent their time on repetitive validation, results were hard to trace across requests, and the error risk grew with transaction volume. The team needed automation that business analysts could run as easily as engineers.



Our regression cycle used to eat days of our best testers' time. JRD gave our analysts and QA team the same automated workflows, and now anyone can run a full validation and read the results.



Anonymous

QA Manager, Supply Chain Technology



WHAT WE DELIVERED

Four workstreams, one validation framework



Workflow Orchestration

- Grouped API requests into automated workflow collections run in a single pass
- Replaced request-by-request manual execution across the fulfillment flow
- Built the framework to absorb new APIs as the business added them



Rule-Based Validation

- Configured validation rules in a visual rule builder, with no custom code
- Checked every response automatically against expected results
- Applied the same standards across every test run



Consolidated Reporting

- Generated one consolidated report per run instead of per-request results
- Made failures traceable to the exact request and rule
- Shortened the path from failed test to fixed issue



Cross-Team Enablement

- Let business analysts, QA and developers run validations independently
- Reused the same workflows across Development, SIT and UAT environments
- Freed skilled testers from repetitive checks for higher-value work

— THE RESULT

Faster Regression. Less Manual Work. Fewer Errors.

Regression cycles that once depended on manual execution now run as automated workflows in one pass. Business and technical teams validate changes on their own, using the same rules in every environment.

Coverage grows by adding workflows, not testers.

70%

Less regression testing time

80%

Less manual testing effort

50%

Better accuracy and consistency