

UiPath to Playwright Migration using Claude

Success Story



Customer Overview

Client Name: A leading omni-channel retailer that operates men's apparel and family fashion stores across the United States and Canada.

Key Client Sponsor: Will be provided upon request

Designation/Role: Quality Manager

Email Address: Will be provided upon request

Customer Industry: Retail and e-commerce, with personalized apparel and fashion across a network of stores and online channels.

Problem Statement

The customer wanted to migrate its existing automation test scripts from UiPath to Playwright and add new test scripts to increase coverage and reduce failures, so it could release to production more frequently.



Use Case

In addition to converting existing automation test scripts from UiPath to Playwright, the customer wanted to improve automation coverage to 95% or higher. This was aimed at reducing regression test cycles and increasing release frequency.

Indium utilized 12 AI agents (part of Indium's Test Lifter platform) to convert existing UiPath scripts to Playwright seamlessly. These agents, built on the Factory.ai platform and powered by Claude Sonnet and Opus models, helped accelerate the migration from UiPath to Playwright. AI-assisted test failure analysis helped teams identify application, automation, environment, and test-data failures faster. Additionally, AI-generated Playwright scripts allowed teams to do in-sprint automation and testing.

Claude Product Used

Factory.ai / Claude Sonnet & Opus

One Line Summary of Joint Outcome

Improved time-to-market through faster release cycles, enabled by automating daily regression test cycles.

Results Achieved

- **Accelerated Legacy Modernization:** The following is an appreciation received from customer QA Manager in-charge of this project. "Indium's agent-assisted Playwright solution reduced our legacy automation migration effort by approximately 95%, significantly accelerating the modernization of 650 UiPath test cases across desktop and mobile."
- **Faster Automation Creation:** For new automation scripts development, Indium's solution enabled us to create Playwright test scripts approximately 85% faster while retaining essential human review to validate AI-generated test cases and ensure alignment with business requirements.
- **Reduced Automation Maintenance:** The agents analyze failures, identify likely root causes, auto-heal, and recommend fixes, reducing manual triage effort by approximately 90% and accelerating test-suite recovery.



About Indium

We are an AI services company specializing in Agentic AI, Data & Analytics, Application Engineering, and Quality Engineering.

By combining autonomous AI systems, modern engineering, and data intelligence, we build innovative AI solutions that drive measurable business outcomes and long-term value.

With 5000+ associates worldwide, Indium partners with Fortune 500 companies, in the following industries - Financial Services, Healthcare, Manufacturing, Retail, and Technology. Our teams operate in North America, India, the UK, Singapore, Australia, and Japan, helping businesses stay ahead in an AI-first world.

USA	INDIA	UK	SINGAPORE
Cupertino Princeton Toll-free: +1-888-207-5969	Chennai Bengaluru Mumbai Hyderabad Pune Toll-free: 1800-123-1191	London Ph: +44 1420 300014	Singapore Ph: +65 6812 7888

www.indium.tech



For Sales Inquiries
sales@indium.tech



For General Inquiries
info@indium.tech

