

# PATRICK CHAU, QA AUTOMATION ENGINEER

571-289-5747 | Chicago, IL | [patrick.chau84@gmail.com](mailto:patrick.chau84@gmail.com) | [LinkedIn](#) | [Portfolio](#)

## PROFESSIONAL EXPERIENCE

### QA Automation Engineer

Feb 2023 - Current

Univar Solutions | Chicago, IL

- Designed, developed, and maintained a Playwright-based UI and API automation framework integrated into CI pipelines, achieving a 27% increase in regression defect detection.
- Eliminated approximately \$150K annually in QA effort by transitioning redundant manual end-to-end testing to stable, Playwright-driven automated coverage.
- Drove a 40% improvement in mobile release stability by implementing thorough manual testing and exploratory testing on web and native iOS/Android applications, reducing user-reported issues.
- Validated mobile UI/UX behaviors, push notifications, deep links, offline flows, and cross-platform consistency, ensuring seamless user experience across native apps and web; reduced UX-related defects by 35%.
- Established comprehensive test plans encompassing mobile and web features, defining acceptance criteria and QA strategy, resulting in 95% requirement coverage across all software releases.
- Automated backend admin and eCommerce validation workflows leveraging Playwright, diminishing customer-facing defects by 25% and, decreasing support expenses, and contributing to improved customer satisfaction.
- Pioneered Univar's initial formal QA procedures, which slashed post-release defects by 80% and decreased defect resolution time by 20% through standardized documentation and cross-team communication practices.

### Senior QA Engineer (Promoted)

Jun 2021 - Feb 2023

### QA Engineer

Jun 2018 - Jun 2021

Sphera Solutions | Chicago, IL

- Promoted to Senior QA Engineer after consistently leading cross-team quality initiatives during the InsightUI platform rebuild, improving release coordination across eight Agile squads and reducing regression risk in shared environments.
- Delivered \$1,200,000 annual savings by orchestrating QA transformation with 25% faster release cycles, directing three teams in implementing CI/CD practices and risk-based testing methodologies.
- Elevated into a QA Lead-level role, expanding from individual contributor to team-wide QA coordination, mentoring offshore testers, leading defect triage, and owning quality standards for the Purple Squad.
- Spearheaded Allure/Azure DevOps integration, yielding \$4,000,000 in revenue while cutting production defects by 40%, and constructing regression frameworks spanning 10+ enterprise projects, delivering critical value.
- Constructed a comprehensive WebdriverIO test suite encompassing 175+ end-to-end scenarios, integrating into CI/CD; enhanced test coverage by 20%, surpassing team goals.
- Engineered 80+ Selenium tests in Azure DevOps/Jenkins, targeting critical modules and reducing Severity 1 incidents by 7% by fixing top crash causes.
- Modernized legacy automation framework by migrating from Selenium to WebdriverIO, boosting execution efficiency by 40%; reduced weekly flaky tests from 100+ to under 10.

## EDUCATION & TECHNICAL TRAINING

### Automation QA Training

- Codemify – Playwright & JavaScript (Sept 2025 – Jan 2026)
- Technosoft Academy – WebdriverIO & JavaScript (Jun 2022 – Sep 2022)

## SKILLS

**Tools & Platforms:** Playwright, Selenium, Cypress, WebdriverIO, Appium, Postman, Swagger/SwaggerUI, BrowserStack, Allure, Azure DevOps, Jenkins, GitHub Actions, Jira, TestRail, ALM, Confluence, Git, VS Code, Xcode, Firebase, Excel, Docker

**Test Engineering:** Test Automation, BDD/TDD, Regression Testing, End-to-End Testing, Performance Testing, Security Testing, Manual Testing, UI/UX Validation, Cross-Browser Testing, HTML, CSS, JavaScript, TypeScript, SQL, Node.js, Mocha, Chai, Cucumber, Linux/Unix, Android, iOS

**Methodologies:** Agile/Scrum/Kanban, CI/CD, SDLC, Sprint Planning, Defect Triage, Requirements Analysis, Technical Documentation, Team Leadership, Stakeholder Management, Cross-Functional Collaboration