

# GARY YOUNG

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## SUMMARY

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Software Development Engineer in Test with 10 years of experience architecting and scaling automation frameworks. Led large-scale Cypress to Playwright migration, reducing regression runtime by 75% and significantly improving framework reliability. Experienced in TypeScript-based test infrastructure, CI/CD integration, application testability, and Windows desktop automation using FlaUI. Focused on building maintainable and deterministic automation systems.

## TECHNICAL SKILLS

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- *Programming Languages:* Python, TypeScript, JavaScript (ES6), Node.js, C#, HTML5, CSS3, SQL
- *Test Automation & Frameworks:* Playwright, Cypress, Selenium, FlaUI (Windows UI Automation), End-to-End Testing, API Automation
- *Architecture & Engineering:* Test Framework Architecture, Test Isolation, Modular Test Design, Fixture Design, Selector Strategy (data-test IDs), Flakiness Reduction
- *CI/CD & DevOps:* TeamCity, Azure DevOps, Git, Docker, Parallel Test Execution, Continuous Integration
- *Tools:* Jira, Zephyr, Postman

## WORK EXPERIENCE

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**Haivision, Software QA Engineer III, Atlanta, GA** November 2021 – February 2026

- Led re-architecture and migration of 600+ end-to-end test cases from Cypress to Playwright, reducing regression runtime from ~2 hours to ~30 minutes and improving framework maintainability and scalability
- Refactored test design to enforce isolation and eliminate inter-test dependencies, preventing cascading failures and improving root cause visibility
- Collaborated with frontend engineers to embed immutable data-test IDs into React components, reducing selector brittleness and increasing automation reliability
- Designed reusable fixtures, API helpers, and shared TypeScript utilities to standardize test development and significantly reduce test flakiness and maintenance overhead
- Implemented API-level validation and request interception in Playwright, improving test determinism and backend coverage.
- Built and maintained Windows UI automation using FlaUI to validate native desktop utilities
- Integrated automation suite into TeamCity CI/CD pipelines with parallel execution, reporting, and build gating, accelerating developer feedback cycles

**Hulu, Seattle, WA**

*Living Room QA Engineer II*

March 2016 – September 2019

- Contributed to early automation initiatives for living room device testing
- Designed comprehensive feature-level test suites for Hulu Live TV within Jira/Zephyr
- Led cross-platform release validation for Hulu Live TV rollout across 9+ living room devices

*QA Tester*

June 2015 – March 2016

- Executed end-to-end validation across game consoles, Blu-ray players, and smart TVs
- Identified cross-device defects impacting playback, UI rendering, and streaming performance

**PopCap Games, Mobile QA Tester**

July 2014 – June 2015

- Designed test cases and executed mobile validation across multiple major releases

**Double Down Interactive, QA Engineer,**

January 2014 – July 2014

**Microsoft, Test Associate II, Redmond, WA**

September – November 2013

## EDUCATION

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**Eastern Michigan University, Ypsilanti, MI**

2011

- *Computer Science Coursework*

**Bellevue College, Bellevue, WA**

2013

- *Technical Support Studies*

**Year Up Puget Sound, Seattle, WA**

2014

- *Technical Training Program*