

Darrell Burch

QA LEADERSHIP · TEST STRATEGY & AUTOMATION

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Summary

QA leader with 25+ years across SaaS, fintech and enterprise retail who has built testing organizations from the ground up at four companies: the first test plan, the first hire, the first automation suite. Air Force veteran. Currently focused on test automation in CI pipelines and on testing AI features.

Experience

Lead QA Engineer · Janus International

Feb 2024 – Present · Temple, GA

- Lead the testing effort for the company-wide rollout of Microsoft Dynamics at an NYSE-listed manufacturer with operations in six countries.
- Wrote and implemented the QA policies, processes and procedures for the program, covering functional, integration, user acceptance and load testing of the Sage 500 ERP integration with Dynamics.
- Implemented TestRail as the test management tool and linked its test cases to Azure DevOps, so every requirement and defect traces to a test.
- Led testing of the ServiceMax integration with Dynamics and QuickBooks, which replaced an outdated software configuration.

Lead QA Engineer · Flashtract

Dec 2020 – Apr 2023 · Atlanta, GA

- Built the first QA team for a SaaS construction-finance company and implemented QA policy and procedure from scratch.
- Managed a 4-person QA team, streamlining project assignments for a 30% increase in productivity.
- Cut testing time 50% over two years using Katalon Studio automation, Postman API testing and Jira KPI reporting for stakeholders.
- Reduced escaped defects 45% in six months through strategic testing, defect triage and automated test conversion.

Sr. Quality Assurance Engineer · CineMassive

Sep 2019 – Mar 2020 · Atlanta, GA

- Managed the Agile QA/DevOps team for a video-wall technology firm, including app training and strategic hiring.
- Reduced escaped defects from 35% to 15% in six months through defect triage, QA KPIs and improved reporting in Pivotal Tracker and Azure DevOps.

Sr. QA Analyst · Cosairus

Oct 2017 – Aug 2019 · Greater Atlanta Area

- Established Agile QA practices, testing policy and KPIs at a SaaS software consulting firm.
- Built a Jira KPI dashboard that improved stakeholder visibility into requirements analysis and testing progress within six months.
- Increased test coverage 25% in a year by converting manual to automated unit tests with NUnit for C# applications.

Earlier career

QA Manager, RTI (2015–2016) — managed the QA team and strategic hires; converted customer requirements into test strategies that reduced code iterations and post-production issues.

Sr. QA Analyst, Conisus LLC (2012–2015) — implemented Agile QA, KPIs and defect management for a biopharmaceutical company; improved test coverage 25% through early automation.

Lead QA Analyst, Fiserv (2010–2012) — pioneered the QA function at a SaaS fintech company: processes, KPIs and manual/automated testing with Selenium, from scratch.

Lead Web QA Analyst, TSYS (2008–2010) — managed a 4-person QA team and improved test coverage for a fintech company.

Senior Quality Engineer, The Home Depot (1998–2008) — reduced testing time 90% using Unix, Informix and VBScript automation; owned test planning for the in-store Paint Mixing System.

Automation projects

Congress Report Card

congressreportcard.org · [source](#)

- Public website that grades every member of Congress and updates, deploys and tests itself every night with no manual steps.
- GitHub Actions pipeline pulls data from three public sources (about 1,500 API calls), publishes the site, then runs 33 Playwright smoke checks across Chromium, Firefox and WebKit against the live result.
- Fail-safe build: requests retry with backoff, and if more than 5% of records fail the site keeps the previous day's data. A JMeter plan load-tests the live site.

AI Evaluation Suite

github.com/dburch19142/congress-report-card/evals

- Built a Claude-powered tool that answers questions from the Report Card's data, and a 62-case evaluation of it covering facts, rankings, admitting gaps in the data, political neutrality and prompt injection.
- Graded facts with code and judgement calls with a second AI model; 36 unit tests prove the graders reject wrong answers that look right.

Playwright Test Framework

github.com/dburch19142/playwright-framework

- TypeScript framework with page objects, custom fixtures, a one-time login that reuses the saved session, UI and API specs, and a GitHub Actions workflow.

NFL Fantasy Lab

github.com/dburch19142/NFL_Fanduel

- Flask app with a linear-programming lineup optimizer and a game predictor, covered by 66 pytest tests, including browser tests that drive the real app with pytest-playwright.

Skills

Automation: Playwright, Selenium, Katalon Studio, JMeter, Postman, pytest, C# / NUnit, TypeScript / JavaScript, Python, AI-assisted testing, LLM evaluation

CI/CD and tools: GitHub Actions, Azure DevOps, TestRail, Jira, Pivotal Tracker

Leadership: test strategy and planning, QA metrics and KPI reporting, defect management and triage, requirements analysis, Agile and Scrum, team leadership and mentoring, stakeholder communication

Education

M.S., Information Technology Management —
Grantham University

B.S., Computer Science — Troy University

A.S., Education and Training — Community College of
the Air Force

A.S., Logistics — Community College of the Air Force

Certifications

AI Test Case Generation — TestRail Academy, Nov 2025

TestRail Reports — TestRail Academy, Nov 2025

Certified Scrum Master — Scrum Alliance, Nov 2015