Julian Betancourt Cuervo

Senior QA Automation Engineer · Playwright SME · AI-Assisted Testing

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PROFILE

I design, build and scale test automation that teams actually trust. Over 11 years I have gone from manual and Selenium suites to leading a QA Center of Excellence that standardized Playwright for E2E and API testing across client teams — and today I focus on bringing AI into testing responsibly: MCP-driven test generation, self-healing, and evaluating LLM-powered products.

CORE SKILLS

Automation	Playwright (SME) · Cypress · Selenium WebDriver · Appium · WebdriverIO
Languages	TypeScript · JavaScript · Java · Python · Ruby
API & Security	REST · Microservices · Auth0 · OAuth 2.0 / OIDC · SAML / SSO · RBAC · Postman · SQL
AI in Testing	Playwright MCP · LLM evaluation · Promptfoo · Red teaming · LLM-as-a-judge
DevOps & Cloud	GitHub Actions · Jenkins · Docker · AWS · Microsoft Azure · Git
Practices	Test strategy · BDD / Gherkin · Shift-left · TDD · QA governance · Mentorship

EXPERIENCE

Senior QA Automation Engineer · Perficient Latin America

Sep 2026 – Present

Bogotá, Colombia

- UI test automation with Playwright.
- Data validation and backend checks with SQL.
- Working in a Microsoft Azure environment with Copilot for AI-assisted test development.

`Playwright` `SQL` `Microsoft Azure` `Copilot`

QA TechLab CoE Lead · QA Subject Matter Expert · LeanTech

Mar 2024 – Feb 2026

Remote

- Established Playwright as the enterprise-wide standard for E2E and API automation, improving execution speed and reliability by 40%.
- Led the QA Center of Excellence, defining the quality roadmap across multiple client-facing product teams.
- Pioneered Playwright MCP for AI-assisted test generation and self-healing scripts, cutting maintenance by 30%.
- Architected a Playwright API layer validating Auth0 OAuth 2.0/OIDC token exchanges and RBAC across microservices.
- Integrated API security checks into CI/CD: token expiry, signature validation and unauthorized redirect-URI prevention.
- Implemented Page Object Model and Screenplay patterns in TypeScript for large, maintainable enterprise suites.
- Founded "QA Forums" to mentor junior and mid-level engineers and raise technical maturity.

`Playwright` `TypeScript` `Node.js` `AI/LLM` `Jenkins` `AWS` `GitHub Actions`

Test System Specialist · Amadeus

Aug 2023 – Mar 2024

Bogotá, Colombia

- SME for the core Inventory and Flight Systems (UCS) serving global airline clients.
- Developed and debugged backend test scripts; deep log investigations for root-cause analysis.

- Primary technical contact for airline clients on testability and escalated issues.

  `Backend testing` `Log analysis` `SaaS integrations`

QA Automation Engineer · Zemoga

Dec 2020 – Aug 2023

Bogotá, Colombia

- QA for the DirecTV Roku native app: planning, resourcing and automation strategy.
- Led the migration from a legacy Node.js solution to Playwright for critical streaming flows.
- Designed the E2E strategy for SSO and session persistence across the streaming ecosystem.
- Maintained Selenium (Java/Node.js) UI and backend frameworks for Morningstar; introduced BDD and shift-left practices.

  `Playwright` `TypeScript` `Selenium` `Java` `Cucumber` `Roku/OTT`

Senior Test Automation Engineer · CSG International

Feb 2020 – Oct 2020

Bogotá, Colombia

- Designed the test strategy for a Journey Orchestration backend serving three global clients.
- Built a Cypress (TypeScript) framework from scratch reaching 90% regression coverage.
- Implemented Cucumber for testing AWS-hosted microservices.

  `Cypress` `TypeScript` `Cucumber` `AWS`

EARLIER EXPERIENCE

QA Analyst · Huge Inc.

Sep 2018 – Feb 2020

Functional, UI and cross-browser QA for premium brands such as Revlon, ExxonMobil and Hublot.

Senior QA Engineer · IT Crowd

May 2018 – Sep 2018

Built a mobile/UI automation framework with Ruby, Appium and Selenium following TDD.

Senior Functional & Automation QA · Prodigious Brand Logistics

Jun 2015 – Apr 2018

Features lead for the HELIOS Alliance (Renault, Nissan): test plans and Ruby/Selenium regression suites.

CERTIFICATIONS & TRAINING

ISTQB® Certified Tester – Foundation Level · iSQI

AWS Certified AI Practitioner · Amazon Web Services

Break Into AI Testing · Engenious University

AI-powered QA: Automatización y Agentes en Software Testing · Udemy

LANGUAGES

Spanish · Native

English · Fluent (professional)

SELECTED PROJECTS

julianbeta.github.io — Bilingual Astro portfolio that tests itself: Playwright E2E, axe-core accessibility and link checks gate every deploy. `JulianBeta.github.io`

Playwright POM · Swag Labs — TypeScript BDD framework (Page Object Model): 99 scenarios on 3 browsers, visual and accessibility checks, 16 documented defects, CI-published report. `playwright-pom-saucedemo`

Coda · LLM Eval & Red Team *(In progress)* — Promptfoo evals and red teaming for an LLM chatbot: Claude Haiku vs. Sonnet vs. Qwen, LLM-as-a-judge rubrics, 376 generated attacks, CI quality gate. `composition-coach-llm-evals`