

DAVID ABRIL

QA Automation Engineer | English (C2)

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PROFESSIONAL SUMMARY

Automation-focused QA engineer with software backend dev experience and team leadership.

My love for challenges and bigger goals drives me to go the extra mile and exceed expectations which is why I'm looking for the next step in my career through an automation-first role while deepening engineering skills.

CORE SKILLS

Test Automation: Playwright, Cypress, Puppeteer

Languages: Java; JavaScript, TypeScript; SQL/MySQL; C#; HTML; CSS; Json; React; Node.js; Gherkin.

Testing: UI automation, End-to-End frameworks, API testing, Backend testing, test strategy: (Exploratory/Integration/regression/smoke/functional/usability/compatibility/security/accessibility)

CI/CD & Tooling: Git, Azure Pipelines (YAML), REST/JSON, Postman/REST, Docker, reporting with allure, data analysis & predictive forecasting.

Delivery: Agile methodologies, documentation, cross-team collaboration.

EDUCATION & CERTIFICATIONS

- Technologist, Analysis & Development of Computer Software
- QA Automation Engineer
- Azure DevOps: CI/CD
- Quality Assurance of Software Bootcamp
- Fundamentals of Software Testing
- EF SET English C2

AUTOMATION PROJECTS

Azure DevOps: CI/CD Full Development Lifecycle — (React Portfolio App)

Owner/Developer/Tester | 2026

- Earned an **Azure DevOps CI/CD Certification** by delivering my portfolio app through an end-to-end DevOps workflow (plan → build → test → release).
- Managed work using **Scrum-style user stories and tasks** including acceptance criteria and traceability across the delivery cycle.
- Built a CI pipeline triggered on commits to master that installs Node.js, runs the production build and generates release-ready outputs, it then automates staging & packaging: by copying the compiled build files into a staging directory, compresses outputs into a .zip artifact, and finally publishes the artifact for downstream release.
- Used disciplined **Git workflows** (branches + PRs) to keep changes auditable and safe; configured **Continuous Delivery** to publish the built app directly to **Azure**.

Playwright Site-Setup Framework — Owner/Developer/Tester | 2025

- Automated **11 manual website setup workflows in a customized framework (~1038 Lines of Code)**, rendering tedious manual repetitive work obsolete and saving the team 150 Hours that are now used in higher-value/complexity tasks while reducing burnout, increasing output and work satisfaction.
Implemented reusable utilities and structure (async helpers, page object models, centralized logging/error handling, fixtures, Try/catch logging, best coding standards to avoid flakiness with advanced assertions and document for debugging & For-Loops.) to improve reliability and maintainability.
- Impact: automated **113 manual steps** across **11 modules per site**, total of: 140,000 DOM interactions, forecast **~46 days saved** for a **9-person team** across a backlog of **300 websites**; supported CI/CD delivery workflows in Azure.

Cypress Framework — Developer/Tester | 2025

- This framework compiles tests for advanced testing techniques such as: Backend test automation, Docker, Node.js, Cookies, Local Storage, Plugins, Retries, Error Interception, Page Object Models, Custom Commands, Environment variables, Multiple Tabs interaction, Fixtures, Parallel testing & Video Reporting.

Puppeteer Framework — Developer/Tester | 2025

- This framework automates advanced testing techniques such as: Geolocation, PDF generation, Utility helpers, Accessibility Testing, Incognito mode & Device Emulation with dynamic Viewports, Screenshots for visual testing, Multi-Browser testing in parallel, Performance test with page-load & first contentful paint & BDD y Gherkin.

Playwright Framework — Developer/Tester | 2025

- End-to-end automated test of user flow in a clothing e-commerce store, uses assertions in each interaction, searches for products, add them to the cart and finishes a payment, uses Debugging API Locks, Tracing with screenshots & multiple browser usage.

Cypress Backend Testing Framework — Developer/Tester | 2025

- It uses API's with Postman & Devtools, APIs GraphQL con PokeAPI, CRUD with NoSQL con MongoDB, SQL & MySQL, status codes, Json Server & Headers to validate Content Type in order to mix functionalities to ensure the integrity of data.

EXPERIENCE

Migrations Team Lead & Process Automator — Nationwide Marketing Group | Feb 2025–Present

- Improved delivery efficiency by refining workflows and collaborating weekly across departments; reduced design-to-go-live timelines by **43%** while maintaining quality & team morale for a **9-person remote team**.
- Proposed, developed, and successfully deployed a Playwright automation framework to standardize and automate **11** core setup processes that used to take 30minutes of manual work per website .

E-commerce Websites Migrator — Nationwide Marketing Group | Mar 2024–Feb 2025

- Migrated legacy sites using HTML/CSS/JS, improving responsiveness and SEO baselines under modern best design standards.
- Proposed workflow improvements adopted by multiple departments; achieved highest migration conversion rate.

Fullstack Software Developer Intern — Credencial Business Magazine | Jan 2014–Aug 2014

- Built a Java + SQL tool to decrypt/transform/re-encrypt banking data with layered security and role-based visibility.

OTHER EXPERIENCE (Compressed)

Team Lead & Tier-2 Support (Teleperformance, 2014–2017) | Tour Ops Manager (Gran Colombia Tours, 2017–2024) | Real-Time Analyst (Sitel – PayPal/Venmo, 2020–2021)