

Juan C. Albelo

Senior SDET / QA Automation Engineer | Playwright, TypeScript, API Testing, CI/CD, K6

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PROFESSIONAL SUMMARY

Senior SDET / QA Automation Engineer with 9+ years building test automation frameworks, API test suites, CI/CD quality gates, test strategy, quality engineering practices, and performance checks. Experience at Mercado Libre and large-scale platforms with 10,000+ automated tests. Strong with Playwright, TypeScript, APIs, K6, Docker, GitHub Actions, and Kubernetes-based testing workflows.

CORE SKILLS

Automation: Playwright, Cypress, Selenium, WebDriverIO, Appium, E2E, regression, smoke, integration, functional testing.

API / Backend: REST APIs, API adapters, request transformation, TypeScript, JavaScript, Node.js, Python, SQL, MongoDB, Redis.

CI/CD / DevOps: GitHub Actions, Jenkins, GitLab CI/CD, Docker, Kubernetes, quality gates, parallel execution, automated reporting.

Performance / Observability: K6, GoReplay, Grafana, Pyroscope, profiling, load baselines.

AI QA: Claude Code, MCP, custom agents, LLM-assisted testing, failure triage, prompt regression, RAG quality, OpenSpec.

PROFESSIONAL EXPERIENCE

Scanntech — Senior QA Automation Engineer / AI Automation

Jan 2026 – Present | Mendoza, Argentina

- Dockerized Playwright execution and standardized the test environment across local and CI.
- Built reusable testing libraries with centralized configuration and a custom CLI to reduce setup and unify team practices.
- Standardized GitHub Actions pipelines with parallel execution, automated reports, and CI/CD quality gates.
- Implemented performance testing with K6, GoReplay, Grafana, and realistic load generation.
- Built workflows running inside Kubernetes with ephemeral environments to validate performance before changes move forward.

Mercado Libre — Staff Software Engineer in Test

Aug 2023 – Jan 2026 | Mendoza, Argentina

- Co-created LTP, an internal Fury + Playwright framework, reducing test creation time by 60% and scaling E2E automation.
- Built API testing adapters and request transformation layers, reducing integration errors by 35%.
- Automated integration, contract, and E2E validations in CI/CD, reducing feedback from 45 to 12 minutes.
- Maintained and improved a 10,000+ test repository, reducing flaky tests from 27% to 3%.

Geopagos — Staff QA Automation Engineer / Test Architect

Sep 2021 – Apr 2023 | Argentina

- Designed reusable Cypress libraries adopted by 5+ teams, reducing new-project setup time by 40%.
- Automated iOS testing with WebDriverIO and extended coverage to native mobile.
- Standardized K6 performance testing and baselines for 8 critical services.

Tiempo Gestión — QA Engineer / Full Stack Engineer

Feb 2017 – Sep 2021 | Mendoza, Argentina

- Led the shift from manual testing to automated regression suites, improving release stability.
- Integrated automated tests into batch processes and reduced production errors.
- Delivered full-stack features with PHP, Node.js, and Vue.js for internal systems.

SELECTED PROJECTS

- PK Studio RAG:** production AI/RAG systems for grounded answers over curated music-industry context.
- KaizenTerm:** local-first cockpit for AI coding agents, terminals, worktrees, tasks, and releases.

EDUCATION AND CERTIFICATIONS

Universidad de Palermo: Management Information Systems, 2023–2028.

IES Manuel Belgrano: Software Development, 2020–2023.

EF SET English: 54/100 — B2 Upper Intermediate.

UTN Buenos Aires: Professional Testing Master.

AICS: Accredited Software Testing Fundamentals Certification.

Certiprof: Scrum Foundations Professional Certificate; DevOps Essentials Professional Certificate.

TARGET ROLES

SDET | Senior QA Automation Engineer | Software Engineer in Test | Test Platform Engineer | QA Automation Lead