

# Isaias Silva

## Senior QA Engineering Lead | Test Automation | Entrepreneur

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### Executive Summary

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Senior QA Automation Engineer with +15 years of experience across fintech, health-tech and digital retail ecosystems. Tech lead at Foxbit Exchange safeguarding Web, Mobile and mission-critical API platforms through scalable automation architectures (Cypress, Playwright, Maestro, Appium) and Kubernetes-based CI/CD pipelines. Founder of ISSQA and CTO at WasteZero, combining test strategy, agile squad leadership and product vision to reduce business risk and accelerate delivery. Proven expertise in performance testing (k6, JMeter), REST API testing, BDD (Cucumber), observability and LLM-Assisted Testing practices.

### Technical Stack

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**Web/API Automation:** Selenium / Playwright, Cypress, Postman / Insomnia, Test Automation.

**Mobile Automation:** Appium.

**Performance & QA Strategy:** QA Strategy & Techniques, Gherkin / BDD, Performance Testing.

**Languages & Frameworks:** Programming Languages.

**DevOps & CI/CD:** Cloud & Deployments, Version Control (Git), CI/CD Pipelines.

**Databases:** Databases.

**Soft Skills:** Methodical, Organized, Commitment & Ownership, Empathy, Communication, Goal-Driven, Detail-Oriented, Quality-First Mindset, Proactivity, Teamwork, Leadership & Mentoring.

### Professional Experience

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#### Founding Partner & Tech Lead — Contract — ISS Software Quality Solutions

12.2020 · Present

As tech lead and co-founder of ISS Software Quality Solutions, I design and deliver digital products where Software Quality is the core development pillar. Built complex platforms such as WasteZero (Circular Economy) and Juntix (Credit Fintech), applying a rigorous testing framework from day one of the architecture. Beyond developing robust ecosystems for IBBI and other institutions, I provide specialised QA consulting — establishing automation strategies, performance testing and release stability. Every deliverable from ISS, whether in-house product or external consulting, meets the highest standards of reliability, security and technical excellence through a fully test-driven software lifecycle.

#### Senior QA Automation Engineer (Web & Mobile) — PJ — Foxbit Exchange

09.2022 · Present

Senior QA Automation Engineer with a strong track record in the digital-asset market at Foxbit, specialising in quality assurance for complex financial ecosystems (Web, Mobile, APIs). Drive mobile automation with Maestro Studio and web automation with Cypress and Playwright, delivering full end-to-end coverage. Design advanced test scenarios and lead agile ceremonies, using Jira for defect management and risk control. Combine deep programming expertise and test architecture knowledge to raise the reliability of financial products, with focus on performance, release stability and cross-functional collaboration.

#### Co-Founder & CTO — PJ — WasteZero

11.2023 · 04.2026

As Co-Founder and CTO of WasteZero, I led the technology strategy and the end-to-end development of the platform — from infrastructure design to scale launch. Hands-on delivery of a robust ecosystem including a scalable API and Flutter interfaces for both corporate and consumer environments, owning the full software lifecycle including CI/CD and production releases. Beyond technical leadership and team management, I represented the startup at strategic innovation events and investor pitches, positioning WasteZero among the Top 5 startups of ExpoFavela Bahia 2025 and representing the state at the national edition in São Paulo. Also featured in events such as NEON 2025 (Arena Web Summit) and BTX25, building partnerships and defending the business model before investor panels.

## **Senior QA Engineer — CLT — Grupo Casas Bahia**

05.2023 · 09.2024

Strategic role as Senior QA Engineer ensuring quality across high-scale critical ecosystems, focused on Web, Mobile and API microservices architectures. Owned the full QA cycle, from test plans and acceptance criteria to implementation and maintenance of robust automation frameworks, accelerating the delivery pipeline and release reliability. Specialist in software sustaining engineering, acting directly on root-cause analysis and incident mitigation in production, embedding continuous testing into the agile squads culture to safeguard the shopping experience and functional stability of leading retail platforms.

## **Senior QA Engineer — Contract — Sinergia Studios**

08.2021 · 03.2023

Responsible for establishing the Quality Assurance function at the startup, structuring from scratch every process and standard. Led the testing strategy during the full rebuild of GoGame 2.0 and the strategic launch of GoGame 3.0, as the main owner of software-lifecycle integrity. Implemented mobile automation with Robot Framework, Appium and TestProject, combined with rigorous manual testing and defect management via Jira — delivering a stable, high-performance product to market.

## **Senior API Test Consultant — Contract — FagronTech Brasil**

09.2022 · 02.2023

As Senior Consultant at FagronTech — an ERP specialised in compounding pharmacies — led the quality strategy in a highly regulated, data-intensive environment. Owned API validation with Postman, Newman and Swagger, and implemented a performance-testing culture using k6. Acted directly on system sustainability through message-broker monitoring (RabbitMQ) and management of CI/CD pipelines across staging and production, ensuring safe deployments and integrity of critical ecosystem integrations.

## **Senior Test Consultant — PJ — Deal Technologies**

09.2021 · 09.2022

Consulting role on strategic digital-transformation projects for the loyalty and marketplace sectors (Compra Agora and LTM Fidelidade). Focused on microservices architectures, led quality assurance through rigorous REST API testing with a modern stack (Cypress, Postman, Newman). Owned the full testing lifecycle and continuous integration inside the Azure DevOps ecosystem, enabling agile delivery and the stability of high-throughput transactional platforms.

## **Mid-Level QA Engineer — PJ — Auto Avaliar**

12.2020 · 08.2021

Acted on the strategic structuring of the platform's quality ecosystem, co-architecting a robust web automation framework. Developed automated test suites with Selenium and Selenide, integrating them into Jenkins Continuous Integration pipelines with end-to-end custom reporting. On the mobile side, led automation of the vehicle-appraisal app using Appium and Cucumber, applying BDD practices to guarantee the reliability of inspection, buying and selling flows.

## **Mid-Level QA Engineer — CLT — Capgemini Brasil**

09.2020 · 12.2020

Worked on a strategic project for the Banco Bradesco mobile app, focused on quality of high-visibility components. Used the bank's proprietary framework for mobile automation (Appium + Java) and API testing. Owned complex scenario mapping through mind maps and managed the test lifecycle in ALM Octane and Jira. Operated a robust development environment using Bitbucket, Bamboo (CI) and Mobile Center for testing on real devices.

## **Mid-Level QA Engineer — CLT — Pixon Medical System**

07.2019 · 09.2020

QA Engineer at Pixon, a HealthTech reference, ensuring quality of mission-critical systems for hospitals and clinics. Led end-to-end automation of Web and Desktop applications using Java and Selenium to validate the exam-results delivery flow in SmartWeb. Mitigated risk through rigorous manual testing and complex ticket resolution, using Jira for defect management and safeguarding the reliability of solutions that directly impact patient care.

## **Junior QA Engineer — CLT — Fraunhofer Project Center**

09.2017 · 06.2019

QA Engineer at Fraunhofer Project Center, assigned to the Brazilian National Transplant System (SNT) project at the Bahia Technology Park. Owned quality assurance of critical organ-donation flows, where precision and system availability are vital. Working in close collaboration with the engineering team, managed bug triage and lifecycle via Mantis, basing test strategy on complex requirements and strict business rules to safeguard the integrity of one of Brazil's most essential healthcare platforms.

## Junior QA Engineer — CLT — Brisa R&D – LG Mobile

12.2012 · 01.2014

Worked at Brisa R&D validating LG mobile devices in pre-launch stage (K, Q, V and Stylo product lines). Ensured hardware and software quality through rigorous performance, UI and native-app functional testing. Contribution was decisive to certify device compliance before large-scale production. Also specialised in FOTA (Firmware Over the Air) update protocols — topic deepened in the undergraduate thesis — building a strong foundation on device lifecycle and connectivity.

## Education & Certifications

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- **[Certification] ISTQB Certified Tester – Foundation Level (CTFL)** — ISTQB (2014 – 2030)
- **[Certification] Scrum Foundation Professional Certification (SFPC)** — CertiProf (2014 – 2030)
- **[Certification] DevOps Essentials Professional Certificate** — DevOps Essentials – Credly.com (2014 – 2030)
- **[Academic] Bachelor of Information Systems** — UNIME – Metropolitan Union of Education and Culture (2010 – 2017)

## Community & Languages

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- Founder of **ISSQA** – Quality Engineering consultancy and technical mentoring.
- Delivers free QA fundamentals classes to youth in the local community.
- Youth group leader and Sunday-school teacher.
- **Languages:** Portuguese (native), English (professional).