

JONAS DAVILA DA SILVA

Senior QA Engineer | Quality Engineering | Test Strategy | Automation | API & Performance Testing

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PROFESSIONAL SUMMARY

Senior QA Engineer and Quality Engineer with 17+ years of career in technology, 10 of them dedicated to Software Quality, and ISTQB CTFL certification. Hands-on and strategic experience in risk-based testing, web and mobile automation, APIs, performance, security, accessibility, CI/CD, observability and AI applied to testing. Work in financial products, SaaS and consulting, collaborating with Product and Engineering to expand coverage, prevent failures and increase confidence in deliveries.

KEY SKILLS

- **Strategy and technical leadership:** Test Strategy, Risk-Based Testing, Quality by Design, shift-left, acceptance criteria, risk-oriented coverage, metrics, quality gates, mentoring and continuous improvement.
- **Automation and services:** Playwright, Cypress, Selenium, Appium, Cucumber/BDD, Jest, JUnit, Postman, SoapUI, REST, OpenAPI, contracts, mocks, stubs, web, mobile, E2E and microservices.
- **Performance, security and reliability:** JMeter, K6, OWASP/ASVS, SAST, DAST, SCA, resilience, SLI, SLO, SLA, DORA metrics, observability, logs, metrics and traces.
- **Continuous delivery and cloud:** Jenkins, GitHub Actions, GitLab CI/CD, Azure DevOps, Azure Pipelines, Docker, YAML, Microsoft Bicep, Pipeline as Code and Blue-Green, Canary and Rolling Update strategies.

PROFESSIONAL EXPERIENCE

SPASSU - Caixa Econômica Federal Project | Senior QA Engineer · Senior Quality Automation Engineer

07/2025 - 07/2026 | Porto Alegre, Brazil

Responsible for test strategy and execution for digital financial products, connecting technical risks, indicators and business needs.

- Structured coverage in functional, integration, regression, security, performance and load testing.
- Used automation, simulators, mocks and stubs to validate journeys, integrations and critical scenarios.
- Applied OWASP practices and consolidated evidence and recommendations for Product and Technology.

QualityMap | Senior Software Quality Engineer · Team Leader · Prompt Engineer for Testing

10/2024 - 05/2025

Advisory work on quality processes, risks, metrics, audits and continuous improvement.

- Mapped bottlenecks and supported corrective actions with clients, technical teams and business areas.
- Conducted AI experiments at QualityLAB to support efficiency and quality decisions.

HostGator Latin America | Senior Software Quality Engineer · Automation

04/2024 - 08/2024 | Santa Catarina, Brazil

Responsible for strategy, planning and execution of REST API, contract, performance, security and exploratory testing.

- Contributed to a 20% reduction in production bugs by strengthening automation and API testing.
- Created plans, documentation and per-sprint metrics, and supported code inspections.

Itaú Unibanco | Senior Quality Analyst · QA Automation

05/2021 - 08/2023 | São Paulo, Brazil

Defined quality strategies for financial and payment products, combining manual and functional testing with web and mobile automation.

- Automated journeys with Selenium, JUnit, Cucumber/BDD, Percy and Appium and ran performance tests with JMeter.
- Collaborated with Engineering and Product from refinement to validation, release and quality follow-up.

Thoughtworks | Quality Analyst Consultant · QA Automation

04/2020 - 05/2021 | Clients: Lenovo and PwC North America

Quality Engineering consulting in a financial context, with risk-based strategy, exploratory testing and API, web and mobile automation.

- Created and maintained tests with Postman, Insomnia, Jest and JavaScript.
- Facilitated discussions and contributed to improvements in chapters and communities of practice.

KingHost | Quality Analyst · QA Automation

09/2019 - 04/2020 | Porto Alegre, Brazil

Structured the company's first QA front in web systems, APIs, integrations, automation and CI/CD pipelines.

- Contributed to a 90% reduction in production bugs.
- Automated an onboarding process, reducing it from approximately three days to about one minute.
- Developed a PowerShell API integrated with Microsoft Exchange Server and worked with PHP and Perl.

TAG - Experiências Literárias | Full Stack Developer · QA Automation

04/2019 - 09/2019 | Porto Alegre, Brazil

Took part in developing a CRM with React, Node.js and PostgreSQL, including interface automation with Cypress.

DBServer | Quality Analyst · QA Automation · Banrisul and PROCERGS projects

11/2016 - 01/2019 | Porto Alegre, Brazil

Worked in functional and API testing, integrations and agile practices on financial-sector (Banrisul) and public-sector (PROCERGS) projects, after moving from test infrastructure to QA.

- Ran performance tests with JMeter, service validations with SoapUI and automation evolution initiatives.

PREVIOUS EXPERIENCE IN TECHNOLOGY

Performática Computação Ltda. | IT Support Analyst | 11/2009 - 11/2016 | Technical and advisory support for the Compulab software, networks, Windows, training and remote assistance.

TOTVS | IT Support Specialist | 06/2009 - 10/2009 | Support for the Personal Med system, networks, Windows, operation of the solution and support for technology projects.

SELECTED TECHNICAL PROJECTS

- **AIMA 2.0:** applied research that connects Quality Engineering, indicators, AI and strategy to turn evidence and risks into decisions. aima20.dev
- **API Quality Engineering Lab:** functional tests, OpenAPI contracts, security, accessibility, performance with K6 and continuous integration.
- **Expense Approval Quality Lab:** Playwright and TypeScript in risk-oriented E2E and API tests covering roles, authorization and state transitions.
- **Quality Change Intelligence Lab:** deterministic Go tool to prioritize checks, risk coverage and residual risk.

Code and evidence: github.com/jonasqasoftware

TECHNOLOGIES

Playwright | Cypress | Selenium | Appium | Cucumber/BDD | Jest | JUnit | Postman | Insomnia | SoapUI | JMeter | K6 | OpenAPI | Jenkins | GitHub Actions | GitLab CI/CD | Azure DevOps | Azure Pipelines | Docker | Git | Jira | JavaScript | TypeScript | Java | Python | PowerShell | PHP | Go | Perl | SQL | PostgreSQL | React | Node.js | Tableau | Bicep | OWASP | SAST | DAST | SCA | SLI | SLO | SLA | DORA

EDUCATION AND CERTIFICATIONS

Postgraduate degree in Software Quality Engineering and Testing - PUC Minas | In progress | Expected completion in 2027

Technology degree in Information Technology Management - Unisinos | 2015 - 2020

Computer Technician - QI Faculdade e Escola Técnica | 2009 - 2013

Certifications: ISTQB CTFL | Web Accessibility for Developers | Python 3 - Fundamentals | Ethics in the Age of Generative AI

LANGUAGES

English - comfortable reading and intermediate conversation