

Pedro Botter Bondezan

QA Engineer · Test Automation · AI-Assisted QA

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PROFESSIONAL SUMMARY

Risk-based quality engineering, test automation and generative AI. I cover the test process end to end — from test basis analysis and test case design to automation, execution and defect management — with E2E and API automation (Playwright, Cypress, Selenium) integrated into CI/CD pipelines in large enterprise environments across different industries.

Currently applying generative AI to the test process in a structured way: I architected a QA control plane built on LLM-powered agents, with multi-agent orchestration and human oversight over test analysis, design and implementation, PR reviews and documentation. AI output is treated as an artifact to be verified — hallucinations and non-deterministic behavior are mitigated through complete context, traceability to the source (acceptance criteria, Azure DevOps items) and evidence-based verification.

Backed by 11+ years in the financial market as an investment specialist and high-net-worth relationship manager, which grounds a quality mindset focused on business risk and end-user experience.

TECHNICAL SKILLS

Test process	Risk-based test strategy, test analysis and design, black-box techniques, BDD (Gherkin), regression and confirmation testing, defect management, requirement → test → defect traceability
QA standardization	Test case authoring standards, bug reporting templates and checklists, evidence-based PR review, feature documentation with dependency mapping
Automation	Playwright + pytest (Python), Cypress (JavaScript), Selenium WebDriver (C#/MSTest, Java/Cucumber), Page Object Model
API & data	REST and SOAP — Postman, Insomnia, Cypress; SQL Server for test data and data validation
CI/CD & infrastructure	Git, GitHub, GitHub Actions, Azure Pipelines, Docker
Non-functional	k6 (performance), Grafana (observability), Playwright HTML Reporter
Management	Azure DevOps (Boards, Test Plans, Repos), Jira, Scrum/Agile
Generative AI in testing	LLM-powered agents and multi-agent orchestration, prompt engineering for test tasks, Claude Code + MCP, mitigation of hallucinations, bias and non-determinism
Languages	Python, JavaScript, C# (.NET), Java

PROFESSIONAL EXPERIENCE

Halliburton QA Engineer	Sep 2024 — Present
- Architected Cerberus, an AI-assisted QA control plane that coordinates and standardizes quality across a multi-repository ecosystem, with specialized agents and human oversight — defining the team's QA standards, not only executing tests - Defined the test case authoring methodology in Azure DevOps: cases derived exclusively from acceptance criteria, mandatory expected result on every step, Shared Parameters and automatic suite organization - Structured the bug reporting standard (structured template, pre-creation checklist, P1–P4 prioritization, rejection/reopen workflow) and QA Task traceability for every User Story - Defined an evidence-based PR review process: full-diff reading, progressive findings log, confidence filtering and multi-perspective analysis (architecture × QA/operational safety) - Standardized feature documentation with traceability to requirements, design and code, including DEV × QA perspectives and cross-feature dependency mapping - E2E automation with Python 3.12, Playwright and pytest, every test linked to an Azure DevOps Test Case with automatic result propagation, running on GitHub Actions and Azure Pipelines with Docker - Performance testing with k6, defect investigation with Grafana, anti-false-positive test criteria and production incidents used as a source of coverage	

Multisoftware by nstech

QA Engineer

- Designed test strategies and test cases in an agile team; UI automation with C#, Selenium WebDriver and MSTest
- Test data management via SQL and traceability of stories, test cases and defects in Azure DevOps (Boards, Test Plans, Pipelines)

REPAY (Realtime Electronic Payments)

QA Engineer

- Implemented UI and API automation with Cypress for the Communications and Batch squads, running in CI on GitHub Actions
- Validated data directly in SQL Server and improved the squads' QA processes with best practices from previous roles

Wex Inc

Software QA Engineer II

- Designed comprehensive test strategies and detailed test cases in a Scrum team, across the end-to-end test lifecycle (manual and automated)
- Maintained and continuously refined the C#, Selenium and MSTest automation framework, running on Azure Pipelines
- Troubleshooting of test failures, peer reviews of test plans and test cases, test data via SQL Server and test cases in Azure Test Plans

Compass.UOL

QA Analyst Jr

- Web and API automation with Cypress; exploratory API testing with Postman and Insomnia
- Test planning and coverage with Gherkin/Cucumber; bug management in Jira from opening to closure

E2E Coders

Test Analyst / QA

- Worked across the entire test process: planning and estimation, test case design with black-box techniques, BDD scenarios, defect management and confirmation testing
- Built a UI automation framework from scratch with Selenium, Cucumber and Java (Page Object Model); SOAP API testing with Postman

EARLIER CAREER — FINANCIAL MARKET (2011 — 2021)

Investment Specialist & High-Net-Worth Relationship Manager

- 11+ years progressing from branch operations to high-net-worth relationship management: portfolio management, risk profiling, financial planning and investment advisory for highly demanding clients
- Credit operations and financial document analysis, negotiation and goal-driven commercial management

EDUCATION		CERTIFICATIONS & COURSES	
B.Sc. Computer Engineering	2019 — 2023	Software Testing Mentorship	112h
Impacta Tecnologia		Julio de Lima	
MBA in Finance and Banking	2020 — 2021	Postman: The Complete Guide — REST API Testing	50h
Universidade Anhembi Morumbi		Udemy	
Foreign Trade (Import/Export)	2013 — 2014	Scrum Foundation Professional Certificate	40h
Universidade Paulista (UNIP)		CertiProf	
B.A. International Relations	2010 — 2013	LANGUAGES	
FMU FIAM-FAAM		Portuguese — Native	
		English — Full Professional	