

# HENRIQUE S. P. VAZ

## QA ENGINEER | SOFTWARE ENGINEER

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[www.linkedin.com/in/henrique-sprengoski-pereira-vaz-26a145165](https://www.linkedin.com/in/henrique-sprengoski-pereira-vaz-26a145165) | <https://github.com/RiqueVaz> | Curitiba-PR, Brasil

### EXECUTIVE SUMMARY

Software Engineer with 4+ years of experience in backend development, QA automation/testing, and AI integrations. Skilled in automation tools such as Selenium, Playwright, and Robot Framework, and in AI technologies including RAG, Agentic AI, and Multimodal AI. Proven track record in designing CI/CD pipelines and implementing both manual and automated testing for traditional and AI-integrated software solutions.

### PROFESSIONAL EXPERIENCE

#### Software Engineer (On-Demand Projects) | Xora Solutions | Jan 2020 – Present

- Developed and implemented over 30 custom integrations with third-party systems (REST, SOAP) using Python and TypeScript, automating data flows and reducing manual synchronization time by up to 80% for clients.
- Led data collection automation and RPA projects, extracting information from complex sources and delivering structured datasets that accelerated clients' business analysis by 40%.

#### Mid-Level Developer | Legislative Assembly of the State of Paraná | Jan 2025 – Jun 2025

- Built automation pipelines using Selenium, Playwright, and Robot Framework, including bypass mechanisms for advanced CAPTCHA systems (e.g., PerimeterX), increasing data collection efficiency by 60%.
- Developed full-stack applications with Flask, React, and MongoDB, integrating AI services to create adaptive and intelligent automations.

#### Developer and Support Specialist | MPS Informática | Jun 2023 – Jan 2025

- Developed full-stack solutions for CRM, ERP, and financial systems using .NET Core, ASP.NET, Delphi, and Python, delivering new features that increased user productivity by 25%.
- Automated internal workflows, reducing manual effort on repetitive tasks by approximately 15 hours per week.
- Managed and optimized multi-database environments (SQL Server, PostgreSQL, Sybase, MySQL), performing migrations and tunings that improved query response times by 30%.

### TECHNICAL SKILLS

- CI/CD:** Jenkins, GitHub Actions, AzureDevOps
- QA and Testing:** Pytest, unittest, Mocha/Chai, Cypress, Cucumber, SOAPUI, Postman, Swagger.
- Browser Automation:** Selenium, Playwright, Robot Framework
- Backend Development:** Python, JavaScript, TypeScript, Java
- Databases:** SQL Server, MySQL, MongoDB, PostgreSQL, Pinecone, ChromaDB, FAISS
- Cloud & DevOps:** IBM, AWS, Azure, GCP.

### EDUCATION

Systems Analysis and Development | Pontifical Catholic University of Paraná (PUC/PR) | 2022 – 2025

### CERTIFICATIONS

- IBM RAG and Agentic AI | IBM
- Systems Automation | Federal Institute of Rio Grande do Sul (IFRS)

### LANGUAGES

- English: C1 (Advanced/Fluent)
- Portuguese: Native