

Erick Garcia

QA Automation Engineer | Test Automation Engineer

Brazil

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 Portfolio: <https://erick-ogarcia.github.io/>

Professional Summary

QA Automation Engineer with over 4 years of experience in software quality assurance, working in agile environments and complex, large-scale products.

Strong background in **test automation for web and APIs using Cypress and JavaScript**, with proven results in **regression coverage expansion, release validation time reduction, and system stability**. Experienced in **data validation through database integration (Oracle PL/SQL and Firebase)** and **CI/CD pipelines for continuous quality assurance**.

Hands-on, engineering-oriented profile, focused on building reliable, scalable, and maintainable test automation solutions.

Technical Skills

Test Automation (Primary)

Cypress | JavaScript | End-to-End Testing | API Test Automation | Page Object Model | Custom Commands | Regression Testing

APIs & Data Validation

Postman | Swagger | REST APIs | Oracle PL/SQL | Firebase | Data Validation | Database Consistency

CI/CD & Quality Engineering

GitHub Actions | Azure DevOps | Test Pipelines | Continuous Integration | Automated Test Execution

Tools & Methodologies

Jira | Zephyr | BDD (Gherkin) | Scrum | Confluence | BrowserStack | DevTools

Professional Experience

TOTVS

QA Automation Engineer | Software Quality Analyst

Jul 2022 – Present | Brazil

- Designed, developed, and maintained **end-to-end and API automated tests using Cypress**, achieving **over 99% regression coverage** in critical business functionalities.
- Integrated automated tests with **Oracle PL/SQL queries** to validate data directly at the database level, ensuring end-to-end reliability.
- Reduced release validation time from **days to minutes**, significantly improving delivery efficiency.
- Created and maintained **BDD scenarios using Gherkin (Jira + Zephyr)**, ensuring full traceability between requirements, manual tests, and automation.
- Executed **mobile manual tests using BrowserStack**, validating critical user flows across multiple devices and browsers.
- Actively worked on **legacy systems**, identifying hidden defects and preventing regressions, leading to increased system stability.
- Integrated automated test execution into **CI/CD pipelines using GitHub Actions and Azure DevOps**.

Key Achievements:

- 99% automated regression coverage
- 100% coverage of critical business features
- Stabilization of legacy systems, enabling safe feature expansion

Technologies:

Cypress | JavaScript | Oracle PL/SQL | Firebase | Jira | Zephyr | BrowserStack | GitHub Actions | Azure DevOps | Scrum

Prema – PREventive MAintenance Car

Quality Assurance Intern

Dec 2021 – Jun 2022 | Brazil

- Performed manual testing including system, regression, exploratory, integration, and boundary value testing.
- Developed **backend automated tests using Mocha and Chai**.
- Created **frontend automated tests using Cypress**.
- Executed API testing with **Postman and Insomnia**.
- Documented test scenarios and quality metrics.

BB Seguros

Insurance Consultant

Nov 2018 – Dec 2021 | Brazil

- Provided customer-facing consulting and support.
- Developed strong **communication, analytical thinking, and problem-solving skills**, later applied to quality assurance roles.

Education

FATEC Franca – College of Technology “Dr. Thomaz Novelino”

Bachelor's Degree in Information Systems
2018 – 2022

Certifications

- ISTQB Certified Tester – Foundation Level (CTFL 4.0)
- Microsoft Certified: Azure AI Fundamentals
- Introduction to Software Quality
- Cypress Discovery
- JMeter – Performance Testing

Languages

- **Portuguese:** Native
- **English:** Professional Working Proficiency