

MURILO PINHO

Junior QA Engineer | Test Automation | AI Engineering | ISTQB CTFL & CTFL-AT

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PROFESSIONAL SUMMARY

Junior QA Engineer with proven experience in manual and automated testing of critical financial systems. Among the first professionals in Brazil to hold **10 official Anthropic AI certifications** (Claude, MCP, Subagents) combined with **dual ISTQB certification** (CTFL + CTFL-AT). Specialized at the intersection of QA and AI engineering — agent-assisted automation, LLM-integrated test pipelines, and Claude Code workflows. Track record in fintech (BRB Card) and independent full-stack projects: desktop apps, WhatsApp bots, and web systems with 3D animations.

PROFESSIONAL EXPERIENCE

Junior QA Engineer — BRB Card

Nov 2024 – Apr 2026

- Designed and executed **80+ test cases** with full traceability; achieved **90%+ coverage** on critical financial flows
- Built **Cypress + JavaScript** regression automation suite — reducing manual regression cycles by ~60%
- REST API testing with Postman**: authentication, contract validation, and error handling in a fintech environment
- Authored **BDD (Gherkin)** test plans and cases aligned with acceptance criteria
- Zero P1/P2 defects** escaped to production during tenure
- Applied the **4D Framework** (Delegation, Description, Diligence, Discernment) to AI-assisted automation
- Collaborated with developers on defect investigation and quality assurance across deliveries
- Active participant in Scrum ceremonies: Daily Standup, Sprint Planning, Review, and Retrospective

PROJECTS — MP SOLUÇÕES DIGITAIS (FREELANCE) 2025 – PRESENT

Desktop App + WhatsApp Bot — Oral Esthetic Dental Clinic (Brasília, Brazil)

- Built an **Electron desktop app** for the reception team: message queues, support tickets, patient document management, and human escalation controls
- Automated WhatsApp bot** (Node.js + Baileys) with appointment scheduling flows, human handoff logic, and overnight queue management
- Google Calendar API** integration; LGPD-compliant secure document storage with role-based access (receptionist / dentist)
- Stack**: Node.js · React · Electron · PostgreSQL · n8n · Cloudflare R2

Institutional Websites with 3D/GSAP Animations

- Delivered client websites with advanced animations (GSAP, Spline 3D), local SEO, and WCAG accessibility compliance

- Lighthouse score A across performance, accessibility, SEO, and best practices
- Clients in real estate, healthcare, and retail sectors — Brasília, DF
- *Stack: HTML · CSS · JavaScript · GSAP · Spline · Netlify · Vercel*

AI ENGINEERING

Tools: Claude API · Claude Code · MCP (Model Context Protocol) · Agent Skills · Subagents · 4D Framework

10 Official Anthropic Certifications (2026):

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|---|--|
| • AI Fluency: Framework & Foundations | • Claude Code 101 |
| • AI Fluency: AI Capabilities & Limitations | • Claude Code in Action |
| • AI Fluency for Nonprofits | • Introduction to Model Context Protocol (MCP) |
| • Teaching the AI Fluency Framework | • Introduction to Agent Skills |
| • Claude 101 | • Introduction to Subagents |

TECHNICAL SKILLS

Testing: Manual, Functional, Regression, Exploratory, Web, Mobile, BDD/Gherkin, Test Cases & Plans

Automation: Cypress · Postman · Selenium

Languages: JavaScript · Python · C# (basic)

Dev & Tools: Node.js · React · Electron · n8n · Git · GitHub

Methodologies: Scrum · Kanban · XP

CERTIFICATIONS

ISTQB / BSTQB

- CTFL – Certified Tester Foundation Level – BSTQB (2025)
- CTFL-AT – Agile Tester – BSTQB (2026)

EDUCATION

Systems Analysis and Development | SENAC College, Brazil *in progress, expected 2028*

Artificial Intelligence and Machine Learning | SENAC College *2026 – 2028*

LANGUAGES

Portuguese – Native | English – Advanced | Spanish – Intermediate