SILVIO MONTEIRO

AI Automation & Solutions Engineer

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SUMMARY

I turn manual processes into automated systems running in production. I start with discovery: I learn how the operation actually runs, identify the bottlenecks, and prioritize with business teams what delivers the most impact. Then I design the solution, build it, ship it to production, and keep evolving it. In practice: moving processes off spreadsheets into cloud systems, integrating systems, building data pipelines, and putting AI agents to work classifying, answering, and executing tasks that used to depend on someone. I have been automating processes since 2014 and spent eight years in data engineering and data platforms at companies like Itaú, Porto Seguro, Dell, and Bosch.

SKILLS

Process & Business: discovery, requirements gathering, process mapping, solution design, stakeholder communication
Automation & AI: process automation, AI agents, LLMs (Claude API), spec-driven development, n8n, Make
Data & Reporting: SQL, PostgreSQL, Supabase, data modeling, data pipelines, ETL, automated dashboards, Tableau
Development: Python, TypeScript, Node.js, React, REST APIs, C#, Claude Code, Cursor, Codex
Infrastructure & Security: Linux VPS (AWS Lightsail), Git/GitHub, 2FA authentication, access control (RLS), LGPD compliance

EXPERIENCE

Independent (remote) — AI Automation & Solutions Engineer May 2026 – Present
Projects with defined scope and delivery to automate and modernize operations, from discovery to deploy.

- Own the work from discovery to deploy: process mapping, bottleneck identification, success metrics agreed with the business, impact-based prioritization, build, production, and ongoing evolution.
- Replace spreadsheets with web systems in production, backed by a database, business rules, and role-based access.
- Build data pipelines and integrations between systems (electronic invoicing, payments, public data), with failure handling and reprocessing.
- Apply AI agents to classify information and cut manual work, with a clear architecture decision: deterministic rules first, AI only where rules can't decide, keeping costs predictable and results auditable.
- Practice spec-driven development with AI agents (Claude Code, Cursor, Codex): scope written before code, small verifiable tasks, tests and review before every deploy.

LowCode Agency (US, remote) — Full Stack Developer Oct 2025 – Apr 2026

- As one of two developers, built a personal finance platform from scratch for a US client, delivered in ~6 months instead of the 12 estimated, at ~60% of the projected staffing budget.
- Owned the data model (20+ tables, 300+ columns) and built the financing projection and installment-to-income engines.

Bosch — Data Analyst (Tableau Platform Administrator) Apr 2022 – Feb 2026

- Ran the enterprise Tableau platform: installations, maintenance, and ~30 tickets/month within a 3-day SLA.

Dell Technologies — Business Intelligence Advisor Dec 2021 – Mar 2022

- Maintained and improved executive KPI dashboards, with a focus on data quality and governance.

Porto Seguro — BI Developer Aug 2019 – Dec 2021

- Built and maintained executive dashboards in Tableau on SQL and GCP sources.

Itaú — Software Developer Mar 2018 – Jul 2019

- Developed and optimized SSIS ETL pipelines for credit and guarantee data, reducing load bottlenecks.

T-Systems do Brasil — Systems Analyst (started as an intern) Mar 2014 – Feb 2018

- Automated an SAP-driven PowerPoint report in C# that took ~5 days down to 10 minutes; built desktop systems in C# and web systems in PHP/MySQL.

REFERENCE PROJECTS

Vistoriador Online · vistoriadoronline.com.br — B2C vehicle inspection report platform I built in 2024, with electronic invoicing and payment integrations and over 63,000 reports sold. Now leading its migration to code, with new admin, customer, and affiliate portals.

Lead Engine — Python data pipeline that finds automotive businesses in Brazil's Federal Revenue open data, replacing manual prospecting. Zero to production in 5 weeks: a local pilot validated with ~1,200 hand-approved businesses before automating, then ~50,000 verified businesses, three-tier classification (industry codes, rules, then AI for ambiguous cases), and 2FA-protected access.

EDUCATION & LANGUAGES

MBA in Information Technology Management — Fundação Getulio Vargas (FGV), 2016–2018
Technology Degree in Systems Analysis and Development — Faculdade Engenheiro Salvador Arena, 2013–2015
Languages: Portuguese (native) · English (full professional proficiency)