

Felipe Santiago Monteiro da Silva

Senior Software Engineer

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PROFILE

Senior Software Engineer with 20+ years designing, building, and scaling software — C#/.NET at the core. Former Microsoft engineer with a strong background in backend development, distributed systems, cloud-native architectures, and high-availability platforms. Current focus: AI agents, MCP, and workflow automation — including designing and operating self-hosted AI infrastructure on Linux. I enjoy turning ideas into products, helping teams execute efficiently, and building software that delivers measurable business value.

EXPERIENCE

Independent — Traveling & building

Apr 2026 — Present

- Own products in production — AI agents, MCP servers, and workflow automation
- Designing and operating self-hosted AI infrastructure on Linux: agents, MCP, local LLM pipelines (OpenWebUI · Claude · Qwen)
- Built a terminal-styled static portfolio site with a two-model AI pipeline — Claude planning and reviewing, a local qwen coding
- Hardened production access: SSH key discipline, USB hardware tokens, encrypted offline backups (VeraCrypt)

Microsoft (hybrid) — Software Engineer · DNS / TCS — Azure & Akamai Traffic Manager Systems

Aug 2024 — Apr 2026

- One of the engineers building TCSv2 — software-maintenance best practices and easy partner installation
- AI initiatives: AI Summer series, MCP servers

Docplanner (remote) — Back-End Software Engineer

Oct 2021 — Sep 2024

- Architected the integration plugin with Italian public health systems (patient data): mapped government specs, endpoints, and security requirements; guided stakeholders through production certification
- Multi-tenant (multi-country) refactor with encryption; out-of-office messaging controls for doctors
- Root-caused production bugs on the main API handling millions of calls daily; VueJS fixes and new user settings

Amaris & Gewiss (hybrid) — IoT Software Engineer

Jul 2019 — Oct 2021

- MS SQL Server tuning: CPU from 60–100% down to 20–80%; Azure Stream Analytics job cost/perf improved 25%
- Tested routers and Zigbee home-automation devices — stress-testing device communication
- DDD refactor of a C# Web API with unit + integration tests; Go integration service between internal APIs

Bairesdev (on-site) — Consultant / Senior Software Engineer

Feb 2018 — May 2019

- Led the team through architecture meetings and sprints; recognized by the American client as their best team
- Designed and built proofs of concept for a new financial system

The first decade (Brazil) — MuitoFacilTec · IS2B · Canindé Systems · Prazo · Independent

2007 — 2018

- Trainee to Senior Systems Analyst: shipped systems end-to-end solo, cut a core back-office MS SQL procedure from 6 h over 1.5 M records to 15 min, owner-operated an aviation software product

EDUCATION

MBA in Strategy of Technology Information — Fundação Getulio Vargas, São Paulo (2011–2014)

Bachelor's in Information Systems — Pontifical Catholic University of Rio de Janeiro (2006–2010)

SKILLS

AI: agents · MCP · workflow automation · self-hosted LLM infrastructure on Linux · OpenWebUI · Claude · Qwen

Languages: C#/.NET · SQL · Python · R

Azure: DNS / Traffic Manager · Stream Analytics · Data Lake · Storage · Service Bus & Event Hubs

Databases: MS SQL · MySQL · PostgreSQL · Cosmos DB · Azure Tables · Neo4j

Platforms: Docker · Kubernetes · Service Fabric · RabbitMQ

Quality: NUnit · MSTest · xUnit · Moq · Application Insights · Kibana

Web: .NET MVC & Forms · Angular · Vue.js · HTML/CSS

Process: Shape Up · Agile / Scrum · BPMN process mapping

INTERESTS

Nature · gym · cooking · travel · buddhism · meditation · self-defense · running · swimming · games · strategy