

Ui Sam dos Santos

Full Stack Software Engineer

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SUMMARY

Full Stack Software Engineer, 5+ years into building systems that genuinely can't go down: healthcare and public-sector platforms where a bug isn't just an inconvenience. Day-to-day toolkit is .NET/C#, Node.js, React, and Angular, with clean architecture and performance under real production load as the constant thread. Led legacy migrations end to end and helped squads settle on architectural standards they still use today. Lately, putting the same rigor into RAG and LLM engineering that used to be reserved for backend systems. It's where the discipline is heading, and building it beats reading about it.

EXPERIENCE

Software Engineer — Hapvida NotreDame Intermédica

05/2022 – Present

Remote

- Part of the squad behind ~40 modules of SIGA, the client's hospital management platform: clinical protocols, prescriptions, vital signs, bed management.
- Built and owns the clinical protocols REST API in Node.js/Express with TypeScript, serving versioned treatment checklists to doctors and nurses while keeping older versions traceable for audits as the active guideline changes.
- Designed the prescription validation engine in CQRS with a cached medication catalog in Redis, running dozens of safety rules (drug interactions, dosage limits, allergies) in under 300ms per prescription.
- Redesigned a synchronous integration between the main system and legacy systems that kept timing out under load into an event-driven RabbitMQ pipeline (idempotent consumers, dead-letter queue) that now handles ~200,000 messages a day with zero data loss, even at peak hours.
- Took a critical prescription screen from 1.5s to 180ms render time with list virtualization, server-side pagination, and React memoization (useCallback, useMemo, memo).
- Reverse-engineered an undocumented, 800-line legacy biometric engine: traced its WebSocket integration, found critical security gaps, and surfaced API endpoints nobody had ever written down, clearing the path for a new .NET/CQRS implementation.

Developer Analyst — Stefanini Group

12/2021 – 05/2022

Remote

- Built an LGPD compliance platform from the ground up (JWT auth, role-based access control, audit trails, encryption for sensitive data), serving several client systems at once with full traceability.
- In C#, ASP.NET MVC, Razor Pages, and Entity Framework over SQL Server, the job became making slow queries and high-volume reports actually fast.
- Wired REST APIs into legacy systems that had never exchanged data before, pulling information out of platforms that used to operate in total isolation.
- Helped model the data layer for a multi-system integration project, defining the structure and relationships a unified information flow needed.
- Ran on biweekly Scrum sprints, working directly with product and business on what got built next.

Full Stack Developer — Nota Control

07/2021 – 12/2021

Campo Grande, Brazil

- Led the migration of GESCON (a legacy VB.NET municipal management system) to Angular and .NET 5, with the old system staying live in production through the entire cutover.
- Made the case for Clean Architecture, drove a one-month refactor, and walked away with ~900 lines of dead code gone and automated tests where there'd been none.
- Found a sensitive data leak in the GESCON API before anyone outside the team did, reported it, and shipped the fix that brought exposure down to the minimum necessary.

- File streaming for high-volume processing dropped report generation from 2s to 300ms, on full stack features spanning .NET, Angular, BPMN workflows, and legacy tax systems built on VB.NET and ASP.NET.

Development Intern — G2I

Campo Grande, Brazil

07/2020 – 07/2021

- Built patient management, scheduling, and electronic medical record modules for a clinic system using PHP (CakePHP) and JavaScript, optimizing MySQL queries and data modeling to keep read/write performance steady in production.

EDUCATION

Bachelor's Degree in Computer Science

Estácio · Completed

2023 – 2025

Internet Computing Technician

E. E. Salomé de Melo Rocha · Completed · 1600 hours

2016

SKILLS

BACKEND: .NET 7 / C#, ASP.NET MVC / Razor Pages, Node.js, Python / Django, REST APIs, CQRS, Entity Framework, RabbitMQ, WebSocket, Swagger / OpenAPI

FRONTEND: React, Angular, TypeScript, JavaScript / HTML / CSS

DATABASES: SQL Server, Oracle, PostgreSQL, MySQL, MongoDB, Redis

DEVOPS & INFRASTRUCTURE: Docker, Azure DevOps, CI/CD, Git / GitHub, Linux

SECURITY: JWT / OAuth 2.0, RBAC, Data Encryption, LGPD / GDPR

ARCHITECTURE & QUALITY: Clean Architecture, SOLID, Clean Code, Unit & Integration Testing, Code Review, BPMN

AI & PRODUCTIVITY: LangChain, RAG / Embeddings, OpenAI API, GitHub Copilot, Claude Code, AI-Assisted Automation

METHODOLOGIES: Scrum / Agile, Sprints & Refinements, Cross-team Collaboration

CERTIFICATIONS

RAG Architectures with LLMs: embeddings, semantic search and agents with LangChain
Alura · Apr 2026

Software Engineering in the AI Era: working with legacy systems, scale and multiple services
Alura · Apr 2026

Software Engineering in the AI Era: using AI in the real development workflow
Alura · Apr 2026

Python: Applied Artificial Intelligence
Alura · Apr 2026

LANGUAGES

Portuguese — Native

English — Conversational