# Anderson José Campos Martins (Anderson Martins)

## SENIOR PRODUCT ENGINEER & SYSTEM ARCHITECT

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## EXECUTIVE SUMMARY

Senior Product Engineer & System Architect specializing in end-to-end B2B platforms, applied AI ingestion pipelines, and high-precision user interfaces. Brings 6+ years of rigorous operational domain experience in government healthcare logistics, public bidding, and statutory compliance before architecting production enterprise systems—directly translating operational and financial bottlenecks into deterministic, resilient software architectures. Fluent bilingual communication (C2 English, Native Portuguese).

## CORE ENGINEERING COMPETENCIES

**Architecture & Cloud**
Distributed Systems, Multi-Tenant PostgreSQL (RLS), Docker, Linux, Hardened TLS 1.3 Reverse Proxy, GitHub Actions CI/CD, FinOps.

**Backend & Applied AI**
Python (FastAPI, Celery), Node.js, TypeScript, Google Gemini 1.5, Deterministic OCR Pipelines, Redis Task Queues, Pydantic & Zod.

**Frontend & Design Engineering**
React, Next.js (App Router), Tailwind CSS, Figma Design Systems, Sub-100ms UI Latency, Accessibility (WCAG 2.1 AA), Lighthouse 98+.

## PRODUCTION EXPERIENCE

### System Architect & Full-Stack Product Engineer

`Nov 2025 – Present`

Grupo Apromédica • Healthcare Supply Chain & B2B SaaS

Architected and shipped Nexus ERP and OPUS multi-tenant SaaS for pharmaceutical distribution across municipal and state hospitals.

- **Autonomous Ingestion & OCR:** Built async Python + Gemini 1.5 pipeline extracting unstructured gazettes and public bids; reduced operational cycle by **86% (45m → <6m)**, saving ~$4,000/mo in clerical overhead.
- **Multi-Tenant Architecture:** Designed shared PostgreSQL with Row-Level Security (RLS), supporting 100+ entities with unified migrations and zero tenant cross-contamination.
- **Interface Engineering:** Built high-density, accessible React/TS interface tailored for high-volume clerical data entry with sub-100ms client query response.
- **Infrastructure Modernization:** Migrated legacy third-party no-code tools into containerized self-hosted Docker architectures with automated CI/CD and zero exposed DB ports, reducing monthly hosting overhead by 60%.

### Operations & Systems Requirements Analyst

`Oct 2019 – Nov 2025`

State Secretariat of Health (SES-TO) • Public Healthcare Logistics & Compliance

Served 6 continuous years mapping public health procurement, pharmaceutical supply chain logistics, and administrative workflows.

- **Statutory Technical Mapping:** Translated statutory procurement laws (Leis 8.666/93 & 14.133/21) into deterministic technical requirements for software squads and logistics teams.
- **Logistics Audit:** Monitored statewide hospital distribution networks, diagnosing critical supply bottlenecks and delivery delays.
- **Cross-Functional Leadership:** Mediated between medical clinical boards, civil service auditors, and IT development teams to establish reliable audit trails and zero data corruption.

### Senior UI/UX & Brand Identity Designer

`2018 – Present (Continuous)`

Independent Practice • Global Startups & Enterprise Tools

- Engineered end-to-end design systems in Figma translated directly into production Tailwind CSS tokens, eliminating developer handoff friction.

## EDUCATION & CREDENTIALS

**Postgraduate Specialization in IT Governance**
Federal University of Tocantins (UFT) • In Progress

**B.Sc. in Software Engineering**
Anhanguera University • In Progress

**A.A.S. in Systems Analysis & Development**
Anhanguera University • Graduated Dec 2025

**English Language Proficiency: C2 (Native / Bilingual)**
EF SET / Full Professional & Technical Fluency

**Portuguese: Native Speaker**
Native Fluency