

Carlos Alberto Soares de Oliveira Júnior

Software Engineering Student & Backend Developer

Brasília, Brazil · +55 61 99244-5034 · carlosalbertoliveirajr07@gmail.com

linkedin.com/in/carlos-alberto-soares-de-oliveira-júnior · github.com/junior089 · carlosjr.engineer

SUMMARY

Software Engineering undergraduate and backend developer with contract experience building production systems for e-commerce, legal technology and the medical sector. Focused on backend services, data pipelines and integrations with C#/.NET, Python, PostgreSQL, Docker and Linux. Built a judicial data platform normalizing 19 court integrations behind one API, and a member management platform in production for over 500 users.

EXPERIENCE

Contract Full-Stack Developer · MAY Derma

May 2026 – Jul 2026 · Remote — Brasília, Brazil

- Built and customized a WordPress/WooCommerce storefront covering 18 products with variants, bundles, promotions and checkout, growing to over 500 paying customers.
- Developed a C#/.NET platform for affiliates and prescribers with referral links, coupons, sales attribution, commissions and dashboards, serving 20 registered partners.
- Integrated 3 external systems — payment gateway, shipping and marketing — over webhooks and async workers; deployed and maintained production infrastructure with Docker, Nginx, PostgreSQL and Linux VPS.

Contract Back-End Developer · Agiliza Doutor

Aug 2025 – Feb 2026 · Remote — Brasília, Brazil

- Back-end development on a platform serving the legal and medical sectors, working in Scrum sprints.
- Designed a Python web-scraping pipeline monitoring case updates across major Brazilian court portals, supplementing incomplete unified API data.
- Implemented 149 REST endpoints as full vertical slices: data modeling, migrations, models and DTOs, repository, controller and documentation, across a 32-table schema.
- Automated collection, normalization and persistence of heterogeneous legal data; contributed to business rules and reliability improvements.

PROJECTS

CourtIQ — Judicial Data Platform · Personal project

Python · FastAPI · PostgreSQL · Redis · Playwright · Docker

- Designed and built a platform for monitoring Brazilian judicial proceedings, normalizing 19 court integrations (PJe and e-SAJ) into one domain model via a registered adapter layer.
- Built an async pipeline with a queue in front of the workers and exponential backoff with jitter on retries, isolating the API from unreliable upstreams; webhook delivery is at-least-once, with failed jobs landing in a dead-letter table for review.
- Multi-tenant organizations, API keys, SDKs and billing in the data model from the first migration, across 41 migrations and 35 application tables.
- 634 tests passing — 504 API (66.42% line coverage), 41 scraper (73.45%), 89 frontend, across ~20,700 lines of Python and ~32,800 lines of TypeScript. Adapters tested against saved page fixtures.
- Not deployed; built and validated in a controlled environment. Source partially public.

Avivando — Member Management Platform

Jun 2026 – Sep 2026 · React · TypeScript · Payload CMS · PostgreSQL · Node.js

- Built alongside a senior engineer, on a two-application platform. In production, serving over 500 users.
- Payload CMS core and public site covering member records, forms, check-in, announcements and activities, with role-based access control.
- 23 content modules and 13 migrations on the core; 22 API/BFF routes across both applications.
- CI runs lint, type checks, 181 automated tests and build against an isolated PostgreSQL instance, plus Playwright end-to-end tests.

EDUCATION

B.Sc. in Software Engineering · Centro Universitário de Brasília (UnICEUB)

Feb 2026 – Dec 2029 (expected) · Brasília, Brazil

TECHNICAL SKILLS

Languages: C#, Python, TypeScript, JavaScript, SQL

Backend & Data: .NET, ASP.NET Core, FastAPI, REST APIs, web scraping, async workers, webhooks, idempotency, PostgreSQL, Payload CMS

Infrastructure: Docker, Linux, Nginx, CI/CD, Git

Frontend: React, Next.js, Tailwind CSS

Practices: Scrum, requirements analysis, automated testing, software architecture fundamentals

CERTIFICATIONS, COMMUNITY & LANGUAGES

Certifications: Oracle Cloud Infrastructure 2026 Architect Associate · AWS Certified AI Practitioner · AWS Certified Cloud Practitioner

Community: AWS Builder Center — Campus Builder Student Leader, Brazil, 2026–present

Languages: Portuguese (native) · English (intermediate — professional reading and writing)