

André de Queiroz Patrnicola

Software Engineer | Backend

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PROFESSIONAL SUMMARY

Software engineer with 4+ years of experience building enterprise applications, SaaS platforms, and system integrations. Backend-focused, with **Node.js**, **TypeScript**, and **Python** experience spanning multi-tenant architecture, APIs, relational databases, and production support.

PROFESSIONAL EXPERIENCE

May 2024 – present

Full Stack Developer | Pixit Innovative Solutions

SaaS products, corporate learning platforms, and interactive digital experiences.

- Took **technical ownership** of much of the architecture and implementation of Lumoos, a multi-tenant SaaS platform for Banco John Deere that unifies tools and automates internal workflows.
- **Architecture and backend:** designed modules, subdomains, database schemas, and reusable services; built REST APIs with Node.js, TypeScript, and AdonisJS.
- Built enterprise integrations, business logic, and tenant-specific features, permissions, branding, and data structures.
- Built corporate learning and 3D interactive platforms for clients including Syngenta, BASF, and AstraZeneca; handled ETL, migrations, optimizations, and production support.

Jun 2023 – May 2024

Software Developer | Technext Automação

Industrial and commercial automation, IoT, and access-control systems.

- Built **Raspberry Pi** apps integrated with **Python/Django** backend servers, REST APIs, and PostgreSQL for automation and access control.
- Enhanced a system for **Votorantim Cimentos** deployed across **20+ distribution centers** in Brazil.
- Implemented features, optimizations, and production incident fixes for operational software.

Apr 2022 – Jun 2023

Software Development Intern | STI – FFLCH / USP

Public-data publishing and visualization platforms at the university.

- Built a **Python/Django** application to visualize public data through charts and dashboards.
- Built features and APIs, wrote SQL queries, and worked on relational data modeling.
- Maintained legacy **PHP/Laravel** systems, fixing bugs and delivering improvements.

EDUCATION

2022 – 2026

Bachelor's Degree in Information Systems

Centro Universitário Senac · Expected completion: December 2026

TECHNICAL SKILLS

Backend: Node.js, TypeScript, JavaScript, AdonisJS, Python, Django, Flask, PHP, Laravel
Data & integration: MySQL, PostgreSQL, SQL, REST APIs, ETL, data migrations
Infrastructure & frontend: AWS, Docker, Linux, Git, React

LANGUAGES

Portuguese — native · English — C1 · Spanish — B1