

PEDRO RUAN LIMA ALVES

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PROFESSIONAL SUMMARY

Computer Science student focused on building scalable backend solutions and robust software architecture. I seek to work as a Software Developer, applying my practical experience in API development, process automation (Python), and database management (SQL/NoSQL). My goal is to create efficient, high-performance applications that solve complex problems and deliver measurable technical value.

TECHNICAL SKILLS

- **Programming Languages:** Python, HTML/CSS/JS.
- **Backend Development & APIs:** FastAPI, RESTful APIs, OAuth Authentication, API Integrations (Requests).
- **Databases & ETL:** SQL (Queries, JOINS, Aggregations), SQLite, Web Scraping, Data Treatment/Cleaning.
- **Modern Infrastructure & Best Practices:** Docker, Redis, CI/CD Pipelines, Clean Code, SOLID Principles.
- **Tools & Innovation:** Git/GitHub, LLM Integration (Gemini).
- **Languages:** Advanced English (C1), Native Portuguese.

PROFESSIONAL EXPERIENCE

Intern Developer & Data | Tadeu Duarte Consultoria e Associados 06/2025 - 02/2026 (8 months)

- Developed API integrations for multiple ERPs and created web scraping bots to capture vital information from legacy systems.
- Created Python scripts to automate the consolidation of complex management reports, overcoming Excel volume limitations and optimizing team time.
- Built interactive web applications running locally in companies for personalized data visualization, adding technical value.
- Cross-referenced and structured data from distinct sources to generate business intelligence in scenarios where native solutions did not exist.

RELEVANT PROJECTS

MoneyFlow | Personal Finance Management System

- Developed a complete financial platform, covering everything from transaction and account management to advanced budget planning and notifications.
- Built the backend architecture using FastAPI, Docker, and Redis to ensure performance and scalability in financial processing.
- Implemented a complex collaborative module for tracking and synchronizing shared goals among users.

Bee Life AI Productivity Platform | Academic Project

- Built the backend via API integrations using Python (FastAPI).
- Structured and managed a non-relational database (MongoDB) for user registration and task history.
- Implemented an analytical module integrated with AI (Gemini), capable of reading the task completion rate from the database and generating reports and suggestions based on each user's data.

Scheduling and Contact Management System | Corporate Project (Consultancy)

- Developed a custom full-stack solution to optimize a consulting client's communication flow.
- Developed a solution to centralize information, creating and modeling a relational database (SQLite/SQL) from scratch.
- Used Python in the backend to automate data entry and process business logic, creating a clean infrastructure ready for future data exploration.

ACADEMIC BACKGROUND

Computer Science Centro Universitário Maurício de Nassau | Expected graduation: 12/2028