ALEXANDRE ARNONI NIERI DE FREITAS
BACKEND DEVELOPER

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• github.com/alexarnoni

RESUME

Backend Developer with hands-on experience in **Python, FastAPI, Django, PostgreSQL**, and **REST APIs**. Since 2014, I have worked in the public sector, developing strong skills in **process analysis, automation, and problem-solving** — applying them to building **scalable web systems** and **secure integrations**.

I have developed **end-to-end backend projects**, including a **financial organizer with an interactive dashboard**, an **intelligent playlist recommendation system based on sentiment analysis (PlayMood)**, and an **automated bot for positive expected value (EV+) analysis in sports betting (EV+ Betting Bot)**, integrating APIs and automated notifications.

Certified in Google Data Analytics, with technical training from **Alura**, and currently pursuing a **Bachelor of Technology in Data Science (Uninter, Distance Learning)**. Seeking opportunities to work in **backend development, REST APIs, automation, and system integration**.

PROFISSIONAL EXPERIENCE

Prefeitura de Praia Grande, Praia Grande - SP   2014 – Present
Section Chief of Social Security Compensation

Responsibilities:
- **Team leadership** and **analysis of social security compensation processes** according to federal legislation
- **Digitization and standardization of documents**, increasing the efficiency of the department
- **Public service** and management of legal procedures related to social security

Resultados:
- Contributed to a **more agile and organized routine** by digitizing document workflows.
- Improved **internal process control**, reducing recurring errors and facilitating access to information
- Strengthened **public service** with precise guidance and technical support to colleagues in the department

PERSONAL PROJECTS

Financial Organizer with Dashboard   2025
Activities:
- **Multi-user system** with secure authentication and **financial transaction control**
- **Interactive dashboard** with charts of income and expenses by category
- **Technologies: FastAPI, Python, PostgreSQL, HTML, JavaScript, Chart.js, Bootstrap**

Results:
- Project developed as a **practical study** to consolidate knowledge in **backend, authentication, and data visualization**.

- Structure ready for real-world testing and future evolution based on user feedback

PlayMood – Playlist Recommendation System based on Sentiment 2025
Activities:
- **Integrated with HuggingFace** for sentiment analysis and the **Spotify API**
- **Mood-based recommendation** and admin dashboard with sentiment graphs
- **Technologies: FastAPI, Python, HTML, JavaScript, Chart.js, Pandas**

Results:
- Created as an experiment in API integration and sentiment data processing
- Available for future validations and potential improvements based on testing and feedback

EV+ Betting Bot – Expected Value Detection for Sports Betting 2025
Activities:
- **Python bot** that identifies **expected value (EV+) opportunities** in sports betting, integrating **odds APIs** and sending **automatic alerts via Telegram**
- Implementation of **EV calculation**, dynamic stake suggestion, market filtering, and daily automation.
- **Technologies:** Python, Pandas, REST APIs, Schedule, Telegram Bot API

Results:
- **Project in production**, running continuously for automatic sports event analysis and alert generation.
- Used for personal experimentation and improvement of API integration, automation, and notification practices

EDUCATION

Centro Universitário Internacional – UNINTER (International University Center – Distance Learning) *(Curitiba, PR, Brazil)*, (In progress – expected completion 2028)
Bachelor of Technology in Data Science

Escola Técnica Estadual - ETEC (State Technical School) *(Praia Grande, SP, Brazil)* 2022
Technical Degree in Information Technology

Faculdade de Tecnologia do Estado de São Paulo – FATEC (Faculty of Technology of the State of São Paulo) *(Praia Grande, SP, Brazil)* 2015
Bachelor of Technology in Foreign Trade

TECHNICAL SKILLS

Python, FastAPI, Django, Django REST Framework, SQL, PostgreSQL, SQLAlchemy, Alembic, Pandas, REST APIs, HTML, CSS, JavaScript, Jinja2, Bootstrap, Chart.js, DataTables.js, Git, GitHub, VS Code, Docker (basic)

CERTIFICATIONS

- **Google Data Analytics Certificate** – Coursera (2024)
- **Alura – Complete Program**:
    - Object-Oriented Python
    - Web Development with Django

- REST APIs with Django REST Framework
- Git, Pandas, SQL, Data Science

LANGUAGES

English: Intermediate – technical reading, listening, and basic conversation
Portuguese: Native