

LUCAS PETENUSSO VIANA

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LINKEDIN | GITHUB

OBJECTIVE

To develop my skills in technology and expand my practical experience through challenging projects. I seek a position that promotes continuous learning, collaboration with multidisciplinary teams, and professional growth while contributing with innovative and effective solutions.

ACADEMIC HIGHLIGHT

Among the top three placements in the Brazilian Astronomy and Astronautics Olympiad during high school. The Olympiad involved over one million students and was promoted by the Brazilian Astronomical Society (SAB) and the Brazilian Space Agency (AEB).

CERTIFICATIONS

- **Cisco Networking Basics** – Certification in computer networking fundamentals, including IP concepts, addressing, routing, subnetting, communication protocols, and basic network security.
- **Python: From Zero to Advanced** – Udemy

SKILLS AND COMPETENCIES

Languages: Native Brazilian Portuguese

- English (Intermediate – communication and technical presentations)
- Spanish (Basic)

Programming:

- Java (Spring Boot, JavaFX, Android)
- Python (Dash, automation, data analysis)
- SQL and SQLite
- Visual Basic (VB/VBA)
- HTML, CSS, and JavaScript fundamentals

Tools and Technologies

- Android Studio (Java with possible migration to Kotlin)
- Power BI (Intermediate–Advanced)
- Git and GitHub – Version control, branching, and collaborative workflows
- LLM Agents (ChatGPT Agents): Use of language models for automated document and code analysis
- Anaconda and Jupyter
- Docker (containerized environments)
- Microsoft Office (Intermediate)
- Azure
- Infrastructure as Code – Terraform

Databases

- SQLite
- PostgreSQL (Integrated with Spring Data JPA)

EXPERIENCE

TECHNOLOGY CONSULTING INTERN – 03/2024 to 06/2025

Technology Consulting – RuszIT

- Applied facial biometrics concepts such as liveness detection, face matching, and face analysis, developing and analyzing tech solutions using Aware Inc. products
- Developed skills in Java, JavaFX, and Android Studio, including local storage with SQLite
- Experience with HR platforms like Bizneo
- Participated in technical meetings, understanding work processes and team collaboration
- Delivered technical presentations in English, conducting internal knowledge sharing

SALES SUPPORT – 01/2020 to 12/2023

Family Business Management

- Provided technological support, improving processes in ERP, CRM, financial spreadsheets, and productivity tools
- Monitored financial routines, including P&L statements and cash flow control
- Identified improvement opportunities in technology processes, optimizing daily activities.

EDUCATION

High School – Coleman The World School, Mauá, São Paulo (2019–2022)

Technology Specialist in Systems Analysis and Development, in progress (2023–2025)

FATEC - São Paulo State College of Technology – São Caetano do Sul/SP

SOFT SKILLS

Effective Communication, Teamwork, Problem Solving, Adaptability, Resilience, Leadership, Time Management, Critical Thinking, Empathy, Self-Confidence, Professional Ethics, Creativity, Self-Control, Growth Mindset

RELEVANT PROJECTS

Capibara Matcher

Android app integrated with the AwareID API for facial biometric identity verification. Designed with a focus on usability and data privacy. Captures the user's face, sends it for analysis, and displays the "capibara" (user profile) with compliance data, CPF validation, and more.

Face Capture (Knomi SDK Mobile)

Implementation of an offline face capture system with real-time visual feedback using the Knomi Face SDK. The app guides the user through the liveness process with an automated capture and analysis flow, fully built in Java. Besides the Liveness SDK, modules for Matcher (face comparison) and Face Analyser (facial quality and biometric attribute analysis) were also implemented.

Middleware Spring Boot + Docker

Spring Boot application that manages biometric data input/output. It handles asynchronous requests, logs analysis results, and automatically launches a Docker container with the Knomi facial service when the backend starts.

Time Tracking and Irregular Hours Dashboard

Interactive Power BI dashboard for analyzing time tracking and irregular hour bank

data. Includes indicators such as overtime, delays, entry/exit patterns, and operational efficiency by department. Uses logical data modeling for cleaning and structuring datasets.

Medical Management System with Real-Time Data Analysis

A full system for managing and analyzing medical records, composed of three layers:

- **Backend (Spring Boot):** Robust REST API managing medical records, exams, and sensitive patient data, with authentication and separated business logic
- **Frontend (JavaFX):** Modern graphical interface for registering, consulting, and editing patient data and exams, with real-time validation
- **Dashboard (Dash + Plotly + Flask):** Real-time analysis of medical data with dynamic and interactive graphs. The dashboard fetches data directly from the Spring Boot API and provides:

- Pattern detection in symptoms and exams
- Distribution by age, appointment type, screenings, and risk factors
- Clinical indicators by age group, gender, medication usage, and chronic diseases
- Flask-based interface for routing, web layout integration, and local/cloud deployment

Technical Highlights:

- Real-time API data consumption
 - Modularized components with focus on reuse and responsibility separation (MVC)
 - Use of pandas and plotly express for statistical processing and visualization
 - Query optimization with Pageable and DTOs in the backend
 - Design inspired by professional electronic health record (EHR) systems
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