Levi Gustavo Oliveira Lucena

Brazilian, Single, 38 years old
Address: R. Clarear, 398, Jardim São Carlos – São Paulo, SP – ZIP: 08062-590
Whatsapp: +55 11990195957 | E-mail: sr_lucen@yahoo.com.br
LinkedIn: https://www.linkedin.com/in/levilucena
Portfólio: https://levilucena.github.io/portfolio

Main Qualifications / Summary

- Over 3 years of hands-on experience working with AI solutions, process automation, and data analysis, with projects in the public sector (healthcare), private sector (legal and customer service), and technology.
- Specializing in Generative AI and developing intelligent agents using Large Language Models (LLMs) such as GPT, Hugging Face, LangChain, and working on projects involving Prompt Engineering, YOLO (You Only Look Once), OCR (Optical Character Recognition), NLP (Natural Language Processing), embeddings, RAG (Retrieval-Augmented Generation), RESTful APIs, and automated workflows.
- Proficient Python developer with solid experience in frameworks like Flask, FastAPI, Streamlit, Dash, and Django, as well as data manipulation with Pandas and NumPy, and integration with relational databases (PostgreSQL, MySQL, SQLite) and vector databases (FAISS, Supabase).
- Developed solutions with OCR, NLP, and computer vision (YOLOv8, Pytesseract, OpenCV) applied to document automation and image analysis.
- Experienced in ETL (Extract, Transform, Load) pipelines, data transformation and enrichment in controlled environments, with a focus on information security (LGPD, ISO 27001).
- Created and managed analytical dashboards using Power BI, Grafana, and visualizations with Plotly and Chart.js, focusing on operational and strategic KPIs.
- Follow best practices in version control (Git), technical documentation, and project organization, emphasizing standardization, collaboration, and technical governance.
- Worked on end-to-end projects, from solution architecture to production deployment, with a focus on real impact and scalability.
- Collaborative, self-taught, solutions-oriented professional with strong alignment between technology and business needs.

Academic Background

- Technical Course: Business Administration – ETEC Centro Paula Souza, 2013
- Graduation: Systems Analysis and Development – Faculdade Drummond, 2016
- Post-Graduation: Software Engineering – Faculdade Impacta, 2018
- Specialization: Computer Science – Harvard University, 2023
- Specialization: Data Science – Harvard University, 2023
- Specialization: Programming with Python – Harvard University, 2024
- Specialization: Artificial Intelligence with Python – Harvard University, 2025

Professional Background

Stefanini IT Solutions (Feb/23 - Mar/25) 2 year and 1 month

Global IT and Digital Transformation Company (35,000+ employees)

Position: AI Solutions Specialist – Generative AI

- Developed and deployed intelligent solutions with AI-connected agents using natural language processing models such as OpenAI, Gemini, Hugging Face, Qwen, and Groq, focused on process automation, smart customer service, legal products, and healthcare applications.
- Automated operational workflows using Python, Flask, Streamlit, and Dash, integrating AI agents via APIs with customized prompts and scripts aligned with business objectives.
- Created intelligent agents utilizing LangChain, RAG, embeddings, and workflows in n8n, REST APIs, and vector databases (FAISS, Supabase).

Stefanini IT Solutions (Nov/22 - Feb/23) 3 month

Global IT and Digital Transformation Company (35,000+ employees)

Position: Process Analyst

- Conducted time and motion studies, mapped activity workflows, and identified bottlenecks to develop strategies for problem resolution and continuous process improvement.
- Prepared reports on key performance indicators, metrics, and dashboards using tools such as Power BI, Grafana, and Excel.
- Provided clarifications and conducted training sessions on developed processes to share knowledge and align team understanding.

Stefanini IT Solutions (Nov/22 - Feb/23) 1 year

Global IT and Digital Transformation Company (35,000+ employees)

Position: IT Support Analyst

- Provided support for the installation and configuration of IT equipment in networked and operating system environments. Developed procedures for managing implemented solutions, including troubleshooting issues and incidents, as well as creating operational documentation.
- Managed technical support tickets, created dashboards and reports to monitor performance metrics. Identified activities suitable for automation and proposed tools to streamline these processes.
- Proficient in installing, configuring, and customizing software and products on workstations, with experience in Windows OS infrastructure (Active Directory) and Linux (application deployment on servers).

Projects

- **JurisGPT Advisor – AI-powered Legal Assistant** https://jurisgpt-advisor.com/

Description: Simulates the role of a virtual lawyer using large language models (GPT-4), with automatic classification of legal areas, accessible language, and support across multiple legal fields. Developed as a responsive SaaS solution aimed at professionals, students, and citizens.
Areas Worked On: Digital law, corporate legal affairs, UX design, generative AI, semantic classification.
Level of Influence: Original project with direct applications in legaltech, digital legal services, and automation of legal responses.
Stakeholders: Developed individually, with end-to-end involvement from architecture to deployment.
Integrated Technologies: React + TypeScript + Vite (high-performance frontend), shadcn/ui + Tailwind CSS (modern and accessible styling), OpenAI GPT-4 (generative AI for legal responses), SQLite (local persistence and history management), NLP classifier for semantic detection of legal areas.

Solution Scope: Local with SaaS focus, scalable for law firms, universities, and digital legal service platforms.

- **IntelliDoc AI – Intelligent Document Analysis with OCR and RAG**
  https://github.com/LeviLucena/IntellidocAI

Description: Designed for legal and administrative records, incorporating OCR, Retrieval-Augmented Generation (RAG), NLP, and GPT integration.
Areas Worked On: Legal, governance, back-office automation, IT.
Level of Influence: Personal project with real-world applications; potential adoption by law firms and analysts.
Stakeholders: Developed individually, with end-to-end ownership from architecture to deployment.
Integrated Technologies: Python, Streamlit, LangChain, Tesseract, Hugging Face, FAISS.
Solution Scope: Local/Regional, with potential for broader application in legal and administrative sectors.

- **Clima Blue – Intelligent Weather Forecast System for Agriculture**
  https://github.com/LeviLucena/ClimaBlue_Brasil

Description: A system of meteograms designed to support decision-making in agriculture, featuring an interactive web interface, segmented weather forecasts, and reliable meteorological data for applications in irrigation, harvesting, spraying, and crop management.
Areas Worked On: Agriculture, meteorology, environmental data, automation, web systems.
Level of Influence: Solo project with potential for corporate use within the agricultural sector.
Stakeholders: Developed individually, with end-to-end involvement from architecture to deployment.
Integrated Technologies: Python (main language), Flask (web backend), Meteoblue API (external weather data), Jinja2 (dynamic templates), Docker (packaging and deployment), Dotenv (environment variables for security).
Solution Scope: Local/Regional, with scalability potential in cooperatives and internal systems supporting agriculture.

- **AmazonFireGuard – Amazon Fire Monitoring System**
  https://github.com/LeviLucena/amazonfireguard

Description: M**onitoring System:** An intelligent environmental alert system focused on forest fires in the Amazon, integrating public data sources (NASA, INPE) with predictive AI.
Areas Worked On: Environment, geoprocessing, public data, security.
Level of Influence: Strategic – an educational, analytical, and advocacy tool.
Stakeholders: Developed individually, with end-to-end involvement from architecture to deployment.
Integrated Technologies: Public APIs, Python, Dash, Plotly, n8n, pandas, Mapbox.
Solution Scope: Global (using international data with a local/regional interface).

- **Hemocenters – Blood Stock Management System**
  https://github.com/LeviLucena/hemocentro

Description: A comprehensive web-based system for managing and monitoring blood stocks in hemocenters, featuring dynamic visualizations, user authentication, and analytical functionalities to support strategic public health decision-making.
Areas Worked On: Public health, blood banks, hospital management, data analysis.
Level of Influence: Technical and strategic – a system with potential use in regional and hospital networks.
Stakeholders: Developed individually, with end-to-end involvement from architecture to deployment.

Integrated Technologies: Backend and Framework: Python, Django (MVC structure). Database: PostgreSQL (relational database). Frontend: Bootstrap, jQuery, DataTables (responsive and dynamic front-end). Data Visualization: Chart.js. Deployment: Gunicorn (for production deployment)
Solution Scope: Local, with potential application in public and private blood collection/transfusion units.

- **HealthCare – Hospital Bed Management System**
  https://github.com/LeviLucena/DjangoLivre

Description: A web platform developed for hospital monitoring and management, enabling real-time tracking of bed occupancy in healthcare units. The solution offers comprehensive registration of hospitals, patients, and medical records, along with interactive maps, dashboards, and analytical report generation.
Areas Worked On: Public health, hospital management, data visualization, operational analysis, web systems.
Level of Influence: Technical project with high potential for institutional use in public and private health networks, focused on organizing and visualizing hospital occupancy.
Stakeholders: Developed independently, with end-to-end involvement from data modeling to interface design and local deployment.
Integrated Technologies: Back-end and Business Logic: Python, Django (MVC framework). SQLite (lightweight relational database). Frontend: HTML/CSS, Bootstrap, JavaScript, jQuery, DataTables. Data Visualization and UX: Interactive bed maps, analytical dashboards, PDF reports. Other Features: Faker (for generating dummy data), Font Awesome (vector icons), user authentication, and custom templates
Solution Scope: Local/Regional – with potential application in hospital units, health networks, and public real-time hospital monitoring projects.

Technical Skills

Programming Languages: Python (main language), JavaScript/TypeScript (for React applications), PHP (legacy and web solutions), SQL (PostgreSQL, SQLite, MySQL)

Python Frameworks & Libraries: FastAPI, Flask, Django, Streamlit, Dash, Pandas, NumPy, Scikit-learn, SQLAlchemy, Plotly, Chart.js, LangChain

Artificial Intelligence and Generative AI: LLM models (GPT-4, Gemini, PaLM, DeepSeek), embeddings (OpenAI, FAISS, Supabase), RAG (Retrieval-Augmented Generation), NLP, semantic classification, OCR (Tesseract), prompt engineering, agents with LangChain and n8n

Databases & Storage: PostgreSQL, SQLite, Supabase (relational and vector), MySQL, query structuring, semantic vector integration, data pipelines, session history

Visualization & Business Intelligence: Power BI, Grafana, Streamlit, Dash, DataTables, Plotly – dashboards for public health, legal, operational analysis, and performance indicators

Automation & Orchestration: n8n (low-code for API, WhatsApp, OCR, voice integrations), Google Speech-to-Text, AI-driven flow automation, fallback mechanisms, context and memory control

Infrastructure & DevOps: Git/GitHub (version control), Markdown/OpenAPI documentation, environment variables (.env), API security, best practices in modularization, Uvicorn (ASGI server for asynchronous Python applications)

Project and Process Management: Agile methodologies (Scrum, Kanban), ITIL practices (Change Management, SLA), technical documentation, controlled versioning, multidisciplinary team collaboration, diagram rendering with Graphviz

Training & Certifications

Cybersecurity

- Hackers do Bem – Cybersecurity Foundations
- Cybersecurity Analyst Assessment
- IBM Cyber Threat Intelligence
- IBM Capstone: Data Breach Response
- IBM Tools & Attacks
- IBM Pen Testing & Incident Response
- IBM Network & Database Security
- Fortinet NSE 1, 2, 3 – Network Security Expert

Cloud Computing

- Oracle Cloud Infrastructure 2023 Foundations (1Z0-1085-23)
- Oracle Cloud Data Management 2023 Foundations (1Z0-1105-23)
- Microsoft Azure Fundamentals (AZ-900)
- Microsoft Data Fundamentals (DP-900)
- IBM Cloud Core & Multicloud Apps

Scrum & Agile

- Associate in Scrum Fundamentals (CASF)
- Scrum Foundation Professional Certificate (SFPC)

Business & Analysis

- Business Intelligence Foundation (BIFP)
- Business Model Canvas Essentials (BMCEP)
- Remote Work & Virtual Collaboration (RWVC)

Security & Governance

- LGPD – Brazilian Data Protection Law
- ISO/IEC 27001 and 9001 – Information Security Associate

Digital Marketing

- Microsoft Advertising Certifications: Search, Native & Display, Shopping, Professional

Lean & Management

- Kanban Essentials Professional Certificate (KEPC)
- Lean Foundations (LFPC)

AI & Data

- Introduction to Artificial Intelligence
- Data Analysis for Decision Support
- Data Analysis with R

Cloud Technology (AWS)

- AWS: Technical Essentials, Serverless, Networking, and Security Foundations
- Introduction to Cloud Computing

Professional Associations

- Member of the International Association of Engineers (IAENG), since February 2025.

Languages

- **Portuguese:** Native
- **English:** Intermediate (B1)

Publications

- The Pigeon Superstition (09/23/2023) Explores the roots of superstition in human and animal psychology, uniting behaviors in a thought-provoking narrative.

- Badge is not a legacy (04/14/2023) Reflections on the search for a legacy, emphasizing the importance of balance between professional and personal life.

- Fortune Favors the Brave (04/11/2023) Encourages facing challenges with determination, highlighting the value of courage for success.

- Burnout (03/28/2023) Addresses strategies to prevent and treat emotional exhaustion in the workplace, promoting healthy environments.

- The Crypto Code (03/22/2023) Guide to safe navigation in the cryptocurrency market, guiding traders to make informed

- How to Have More Focus and Discipline (03/19/2023) Strategies to improve concentration and discipline in the pursuit of personal and professional goals.

- Perseverance (03/18/2023) Reflections on the importance of determination and adaptation to overcome challenges and achieve goals.

- Escape the Rat Race (03/16/2023) Suggestions for abandoning the exhausting routine and seeking a sustainable balance between work and personal life.

- Awakening Proactivity: Overcoming Procrastination and Achieving Success (09/27/2024) In-depth analysis of procrastination and strategies for transforming inertia into action, promoting personal and professional success.

Final Remarks

A multidisciplinary professional with solid experience in software engineering, artificial intelligence, and process automation, working end-to-end in designing, developing, and delivering scalable, data-driven solutions. Driven by innovation and continuous learning, I turn technical challenges into intelligent and functional products, focused on creating real impact in business, healthcare, legal, and digital customer service domains. Open to opportunities that value purpose, technology, and ongoing professional growth.