

Luis Henrique Gomes da Fonseca

Software Engineer

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STACK

Backend	Python · FastAPI · SQLAlchemy · Alembic · Pydantic · REST API · JWT · Argon2 · testing (Pytest) · SQL (PostgreSQL, MySQL) · Redis
Frontend	TypeScript · React · Next.js · Vite · Tailwind
Infrastructure	Linux · Docker · VPS · NGINX · SSL · Git · CI/CD (GitHub Actions)
Artificial intelligence	LLM · structured output · JSON Schema · multimodal LLM · RAG · semantic search · prompt engineering · MCP · agentic coding
Data & BI	Apache Superset · Looker · Power BI · pandas
Automation	Playwright · Selenium · browser-use · RPA · web scraping

EXPERIENCE

SaluS Participações SEP 2024 – PRESENT · São Paulo, Brazil

Software Engineer CONTRACTOR OCT 2025 – PRESENT

- Built the internal platform in Python, FastAPI, PostgreSQL and Docker that replaced paid systems with in-house modules (service desk, customer data platform, embedded BI and document hub), **cutting costs and improving operational efficiency**.
- Implemented semantic search with a multimodal LLM over the legacy Salesforce attachment archive, with summaries and title normalization for PDFs and images, **cutting document retrieval from days to minutes**.
- Shipped the voucher e-commerce for a 193-location network in Next.js and FastAPI, with transparent checkout, money in Decimal, health data under Brazil's LGPD and operation across 4 time zones.

IT Support Specialist FULL-TIME APR 2025 – OCT 2025

- Rolled out open source in place of paid tools (GLPI, Apache Superset and Grafana), self-hosted on Linux with NGINX and SSL: **over R\$ 10k per month saved** in licences with no loss of functionality. The solution later became an in-house module of the internal platform.
- Implemented Jira workflows and automations, with automatic status transitions for cards and epics as work progressed, eliminating manual updates and giving visibility into queues and SLAs.
- Automated manual IT tasks with Python scripts: reconciling phone carrier invoices (lines, plans and amounts) against spreadsheets and stock, loading inventory into the system and cleaning exported reports, **saving about 15 hours a month**.

IT Intern · Support INTERNSHIP SEP 2024 – APR 2025

- Developed new GLPI modules and supported internal systems and the service desk.

EDUCATION, LANGUAGES AND CERTIFICATIONS

Degree
Technologist in Systems Analysis and Development
UNICID – Universidade Cidade de São Paulo · distance learning
FEB 2024 – DEC 2026 · in progress

Languages
Portuguese · Native
English · Intermediate

Certifications
Hashtag Treinamentos
– Python Impressionador
– SQL Impressionador
– MTA: Introduction to Programming Using HTML and CSS
Curso em Vídeo
– MTA: Introduction to Programming Using Python
– Git and GitHub
– Algorithms and programming logic