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São Paulo, Brazil

Daniel Venna Kauffmann

I'm a **computer scientist**. I have **5 years of professional experience** as a **full-stack software engineer**.

I have worked in multiple Brazilian companies and one international team. In those experiences, I've shipped full-stack products from scratch (solar sales CRM + maps used by hundreds of sellers), ran an AI startup backed by an angel investor with hundreds of users searching every day, and led mobile authentication/2FA for Bank as a Service white-label apps.

RECENT EXPERIENCES

Ecoloop, Boston — *Software Engineer*

JAN 2025 - OCT 2025 (Remote)

Full-stack engineer on a solar sales CRM and map-based lead scouting product used weekly by hundreds of sellers.

- Shipped web and mobile lead discovery on a map UI with TypeScript, integrated directly with CRM pipelines.
- Built US parcel ingestion, enrichment (satellite imagery, map layers) and geoprocessing pipelines to keep leads fresh and actionable.
- Integrated rooftop computer vision segmentation to estimate roof area and seed early solar project cost proposals with Python.

Itertain, São Paulo — *Co-Founder & CEO*

JAN 2024 - DEC 2024 (On-site)

Founder and full-stack engineer of an AI-powered local search app with hundreds of daily searches, backed by an angel investor.

- Built an AI-first product with agentic tool-calling flows that generate personalized UI steps on demand.
- Implemented preference learning (per-user fine-tuning) and LLM-scored recommendations combining Google Maps APIs with model ranking.
- Shipped iOS/Android (Flutter) plus Rails and Python backend on GCP with OpenAI models, iterating once a week.

1SS BANK, São Paulo — *Software Engineer (Founding Engineer)*

MAR 2023 - DEC 2023 (Remote)

Full-stack engineer expanding a Bank-as-a-Service white-label product across mobile and web clients.

- Delivered PIX payments (including scheduling) and BolePix flows on TypeScript with Node/Express and React/React Native, coordinating backend and client releases.
- Implemented authentication and 2FA, aligning security and authorization with Central Bank requirements and third-party pen tests.

Dayway (Falconi), Curitiba — *Software Engineer*

MAR 2022 - FEB 2023 (Remote)

Full-stack engineer rebuilding an enterprise process-management SaaS from a Ruby (Rails) and Python (Django) MVP to TypeScript (Vue) and Python (FastAPI).

- Delivered a new UI from Figma designs and migrated core flows to FastAPI services to increase reliability.

EDUCATION

MBA in Strategic Business Management — *Universidade Presbiteriana Mackenzie*

JAN 2024 - DEC 2025

B.S. in Computer Science — *Universidade Presbiteriana Mackenzie*

JAN 2020 - DEC 2023

AI Residency (R2'24) — *Canastra Ventures*

SEP 2024 - NOV 2024

Public Speaking and Communication — *Vox2you*

JUN 2025 - JAN 2026

PROJECTS

SeguraSP — *2025 - Present*

Data tool that aggregates public police report data from the state of São Paulo and turns it into safety indexes and insights for every street, making raw open data easier to explore and understand. Users can browse an interactive map, select a street and see incident information derived from police reports, with geospatial processing powering the per-street view.

segurasp.com.br

Open VLF Platform — *2023 - Present*

Final thesis project that implements an open data platform for Very Low Frequency (VLF) signals, integrating multiple research repositories like SAVNET and AWESOME into a single place for searching, visualizing and downloading data. The platform follows open science principles, with a modular and scalable architecture that can be adapted to other scientific datasets, helping researchers and students study space weather, solar flares and ionospheric phenomena.

vlf-craam.web.app

Nosso Rolê — *2021 - 2023*

Mobile app for discovering and planning events with friends.

nossorole.com.br

COMPETENCES

Product Management, Software Architecture, MVP Prototyping, Python, Node, TypeScript, JavaScript, Flutter/Dart, React, Vue, Elixir, Mobile Auth & 2FA, Cloud (AWS, GCP, Azure), Open Finance (FAPI, OAuth2, OIDC).

LANGUAGES

Portuguese (native),
English (native),
French (professional)

HONORS & AWARDS

OBMEP — Gold (2015-2019),
Brazil's national math competition.

International Team Math Olympiad (Mathématiques sans Frontières) — First round (2019), team-based exam.

OBA (Brazilian Astronomy & Astronautics Olympiad) —
1st & 2nd rounds (2019),
astronomy/astronautics.