

KAYO ELIAS GONÇALVES VERDAN

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EXPERIENCE

Founder & AI Engineer

Jun. 2026 – Present

Kayven

Brazil

- AI consultancy bringing AI to company processes, from solution design to deployment, turning business requirements into end-to-end systems.
- Built AI agents with *tool calling* via MCP (Model Context Protocol), connecting LLMs (Claude, OpenAI) to APIs, databases, and documents.
- RAG and semantic-search pipelines with embeddings, pgvector, reranking, LangChain, and LangGraph; prompt engineering, fine-tuning, and guardrails for reliable responses.
- Backends matched to each client's stack (Python/FastAPI, Node.js/NestJS, Java, Go, Rust) with PostgreSQL; API-first architecture, CI/CD, and deployment on Azure and Docker.

Software Engineer

Sep. 2025 – Present

Levva

Brazil

- Owned the web (React) and mobile (React Native) front-end, fully typed in TypeScript, for GDM Seeds (one of the largest seed companies in Latin America), a critical application with several integrated microservices.
- Built an AI agent that reads and analyzes logs to automatically detect bugs, drastically reducing detection and fix time on the critical GDM Seeds app.
- Integration with a Java/Spring Boot backend under a CQRS architecture (Command, Query, and Events), with MongoDB for events, SQL Server, and PostgreSQL; multiple microservices and complex data flows; deployment on Azure; AI-assisted development (Claude + Cursor).

AI Training Engineer

May 2025 – May 2026

Revelo

Remote

- Trained and evaluated frontier LLMs for software development — including Claude Opus, Meta's model, and other widely adopted models — analyzing and validating AI-generated code.
- Trained Claude to build full-stack applications with ReactJS, Node.js, TypeScript, and PostgreSQL, assessing architecture, code quality, and adherence to engineering best practices.
- Identified failures, edge cases, and improvements; contributed datasets and RLHF-style feedback impacting models used by widely adopted products.
- Defined quality criteria and prompt engineering, supporting the build of more reliable and scalable AI systems.

Software Engineer

Jun. 2025 – Sep. 2025

Lumis Experience

Brazil

- Built and shipped to production an AI chatbot for ANBIMA (Brazil's leading financial and capital markets authority), with RAG and semantic search (embeddings + PostgreSQL/pgvector + reranking; LangChain and direct LLM SDKs).
- Integrated the assistant into the client's CMS and workflows; prompt engineering and response evaluation to ensure accuracy in a regulated, high-stakes domain.
- Developed ReactJS projects for multiple clients on a custom CMS, applying architecture standards, API-first, and best practices across deliveries.

Tech Lead

May 2025 – Sep. 2025

AGROPLAY

Brazil

- Tech Lead of the Ingressos Web ticketing platform, serving major artists' concerts with over 1 million tickets sold per event and massive real-time traffic.
- Optimized the site with Next.js 15 (SSR, Server Actions, App Router) to deliver a fast, scalable, SEO-optimized application.
- Built an admin dashboard in ReactJS centralizing batches, inventory, and other data integrated with the site in real time, with caching via React Query to handle the high request volume.
- Created a ticket validator via PDF/CPF, responsible for 50K+ validations at large events.
- Acted full-stack with NestJS, Drizzle ORM, and PostgreSQL, structuring the company's patterns and best practices; serverless architecture on AWS (Lambda, S3, API Gateway).

Software Engineer

Feb. 2024 – May 2025

iem IT

Brazil

- Led the design system team for the CCR app (now Motiva), covering mobile in React Native and web in React, driving the full cycle from the designer kickoff meeting to deployment.
- Defined the library architecture following the composition pattern, code standards, best practices, and scalability strategies, with continuous distribution via Azure Artifacts.
- Applied the design system across multiple internal products, with a Node.js and PostgreSQL backend, ensuring consistency and a unified experience between interfaces.

Software Engineer

Dec. 2024 – Mar. 2025

Evry Jewels

Montréal, QC

- Led from scratch the React Native mobile app of one of Canada’s largest jewelry brands, with the layout updated dynamically based on the ordering defined in the CMS.
- Implemented a custom CMS with Sanity and Shopify integration, giving marketing autonomy to manage content, featured products, and campaigns in real time.
- Built the Python and PostgreSQL backend responsible for processing orders and invoices, integrated with the store’s sales flow.

PROJECTS & PRODUCTS

CupCaky | React Native, Node.js, PostgreSQL/pgvector, MCP – Founder

Nov. 2025 – Present

- Personal finance management app with an active customer base, focused on usability, data clarity, and retention.
- AI layer with an LLM- and RAG-based assistant over the user’s financial data (pgvector), plus MCP automations for categorization and insights.

EARLIER EXPERIENCE

UDS Technology | Full-Stack Software Engineer – React, React Native, Node, TypeScript

Sep. 2023 – Feb. 2024

CSP Tech | Software Engineer – React, Next.js, React Native, NestJS, ORMs

Apr. 2022 – Aug. 2023

Obra Show | Front-End Developer – Angular, Ionic, PWA, SEO, WordPress

Aug. 2021 – Jan. 2022

Gtech Virtual | Full-Stack Developer – WordPress, PHP, Sass, Bootstrap, jQuery

Nov. 2020 – Aug. 2021

EDUCATION

UNIASSELVI

Brazil

Associate’s Degree (CST), Systems Analysis and Development

Jan. 2021 – Nov. 2021

Rocketseat

Remote

Ignite Bootcamp

Jan. 2021 – Jan. 2022

TECHNICAL SKILLS

AI / ML: LLMs (Claude, OpenAI/GPT, Llama), RAG (Retrieval-Augmented Generation), MCP (Model Context Protocol), AI Agents, Tool Calling, Prompt Engineering, Fine-tuning, RLHF, Knowledge Graphs, Embeddings, Reranking, Semantic Search, Guardrails, Evals

Languages: TypeScript, JavaScript, Python, Java, Go, Rust, SQL, HTML, CSS

Backend: Node.js, NestJS, FastAPI, Fastify, Express, Java/Spring Boot, tRPC, REST APIs, Microservices, CQRS, Event-Driven Architecture, API-first

Frontend: React, React Native, Next.js, Angular, Ionic, Tailwind CSS, shadcn/ui, Redux, Zustand, React Query

AI Frameworks & SDKs: LangChain, LangGraph, pgvector, Anthropic SDK, OpenAI SDK, Claude + Cursor

Databases & ORMs: PostgreSQL, pgvector, SQL Server, MongoDB, Redis, Drizzle ORM, Prisma, TypeORM, Knex

CMS & E-commerce: Shopify, Sanity, WordPress

Cloud

textbfCloud & DevOps: Azure, AWS, Docker DevOps: Azure, AWS (Lambda, S3, API Gateway), Serverless, Docker, CI/CD, GitHub Actions, Azure Artifacts, Git, Gitflow