

Yago Costa Ayala

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SUMMARY

AI Software Engineer with 5+ years of experience. I build production LLM features in TypeScript and Node.js: RAG, agents, and conversation memory for a product used by 30,000+ people. My first four years were backend and full-stack, where I traced 600,000+ failed integrations to a single root cause and ran a zero-downtime migration for 1,000+ enterprise clients. I work from Brazil on UTC-3 and cover the full US East Coast day. English C2 (EF SET 78/100).

SKILLS

AI / LLM: OpenAI API, Hugging Face, RAG (Retrieval-Augmented Generation), Agentic Workflows, Conversation Memory, LLM Evals, Observability, Guardrails, Prompt Engineering, Cost/Latency Optimization

Languages: TypeScript, JavaScript, Python, Go, PHP, SQL

Backend: Node.js, Express, REST APIs, GraphQL, Microservices, WebSockets

Frontend: React, Next.js, Tailwind CSS, Redux

Cloud / DevOps: AWS, GCP, Docker, CI/CD

Databases: PostgreSQL, MySQL, MongoDB, Redis

EXPERIENCE

Software Engineer

DAT Freight & Analytics, Seattle, WA (Remote) | Jun 2026 - Present

- Ship features end to end on the broker-facing web app of a US freight brokerage platform: Node.js and TypeScript across the API and data layer, React on the UI
- Own carrier onboarding, including the state logic that keeps status consistent as records move through the pipeline

AI Software Engineer

Clinicorp Solutions, Jaragua do Sul, Brazil | Feb 2025 - Jun 2026

- Built the LLM side of the product in Node.js and TypeScript on OpenAI and Hugging Face models: RAG, agents, and conversational features serving 30,000+ users
- Wrote the conversation memory layer, which handles context-window limits by pulling back only the relevant prior turns instead of replaying the full history
- Applied Thompson Sampling to choose between prompt and data variants under uncertainty, so the system learned from live traffic instead of offline guesswork
- Owned model selection and prompt iteration against real usage, weighing output quality against cost and latency

Senior Software Engineer

LIVE Roupas Esportivas, Jaragua do Sul, Brazil | Feb 2023 - Feb 2025

- Owned the exchanges and returns module as a core developer on the e-commerce platform
- Traced 600,000+ failed OmniChat integrations back to the technical debt causing them; fixed the critical path in days, then redesigned the flow so it stopped overloading the database and cloud queues
- Found a commission calculation bug where the financial rules and the code disagreed, leaking five figures in BRL a month; scoped the fix into its own project and shipped it
- Introduced Scrumban with the coordinators, giving the team efficiency and quality metrics it had been missing

Mid Level Software Engineer

Clinicorp Solutions, Jaragua do Sul, Brazil | Mar 2022 - Feb 2023

- Led a data migration for 1,000+ enterprise clients with zero downtime, balancing cloud cost against performance
- Refactored a high-throughput Node.js pipeline with compression, cutting the cost of processing large payloads
- Built services on GCP across Cloud Functions, Dataflow, Datastore and Storage; one Cloud Function simplified route integration and fixed recurring ETA errors
- Improved frontend performance on critical flows with React Context, useMemo and React.memo, part of a project credited with an estimated 10% lift in monthly revenue

Junior Software Engineer

Devhero Servicos Online, Jaragua do Sul, Brazil | Jan 2021 - Mar 2022

- Built backend integrations in TypeScript and Node.js plus frontend features in React; ran code reviews and refactors

PROJECTS

Focca-AI

Conversational AI on WhatsApp | Node.js, Next.js, TypeScript, OpenAI, AWS | 2026

- Full-stack conversational AI for finances, reminders, and goals via text, voice, and photo. Integrates with Google Sheets and Google Calendar. Web dashboard with real-time sync, deployed on AWS.

LotoAI

Lottery Analysis Platform | Node.js, Next.js, TypeScript | 2024

- Built neural networks and genetic algorithms for number pattern analysis across multiple lottery games. Production deployment with subscription plans and dashboard.

EDUCATION

Bachelor of Science, Software Engineering

Centro Universitario Catolica de Santa Catarina | Graduated Nov 2024

EF SET English Certificate - 78/100 (C2 Proficient)