João Kwanza

Senior Backend & AI Engineer · Fintech, payments and AI agents in production

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SUMMARY

Software engineer and founder who builds and runs production fintech and AI systems end to end. I built VARJIX, a white-label trading-platform SaaS now serving 163 operator platforms and 1,406 traders, as its only engineer: architecture, payments, integrations, deployment and on-call. My strongest areas are TypeScript/Node.js backends, money movement that stays correct under failure, and AI agents that stay reliable in production.

CORE SKILLS

Backend	TypeScript, Node.js, Go, Java (Spring Boot), REST and WebSocket APIs, microservices
Data & messaging	PostgreSQL, Redis, Kafka, RabbitMQ, MongoDB, DynamoDB
Cloud & operations	AWS (Lambda, API Gateway, S3, DynamoDB, CloudFormation), Docker, Linux, nginx
AI	LLM agents, tool calling, MCP servers, grounding, evaluations
Fintech	Double-entry ledgers, payouts, reconciliation, idempotency, USDT (TRC-20, BEP-20), Solidity
Workflow	AI-assisted software engineering (Claude Code, OpenAI Codex, Cursor), testing, code review

EXPERIENCE

Founder & Software Engineer · VARJIX 2025 – present · Remote

varjix.com · B2B SaaS that lets anyone launch a branded trading platform in about 30 seconds

- Built and operate the whole platform as its only engineer; it serves 163 operator platforms and 1,406 traders in 10 languages.
- Designed the money layer so payouts stay correct: a double-entry ledger and USDT payouts (TRC-20, BEP-20) guarded by 5 accounting checks every 30 minutes that stop payouts automatically if any check fails.
- Kept trading available when the broker API misbehaves: a real-time WebSocket path plus a circuit breaker at the single broker chokepoint, so upstream failures do not cascade through the platform.
- Opened the platform to partners and AI agents with a 21-endpoint public REST API and an 18-tool MCP server that lets external agents operate it.
- Built VÍRA, a 24/7 AI agent on WhatsApp, Telegram and the web that answers operators and runs partner outreach, grounded in a single source-of-truth file so its product claims stay accurate.
- Automated onboarding: each new operator gets an isolated, fully branded platform on its own domain without manual work.

Founder & Software Engineer · Corolet 2026 – present · Remote

corolet.com · AI video SaaS

- Built a multi-step AI pipeline (research, script, cloned voice, render, quality checks, upload) that publishes to 8 YouTube channels with no one in the loop; every step saves its state, so a crash resumes instead of losing work.
- Took the product to market end to end, including checkout and tax handling through Polar.

Backend Engineer (contract) · Trading platform, client in Nigeria 2023

- Built the real-time price server in Go: a WebSocket service streaming live market prices to the platform's users.

Founder & Developer · Titan System 2023 – 2025 · Luanda

- Built and ran a trading platform alone and grew it to about 120 users, including paying subscribers.

OPEN SOURCE

- **charge-ledger** (Java 21, Spring Boot, Kafka, RabbitMQ, PostgreSQL): bills EV charging sessions so a retried or late event can never charge a customer twice, and the database itself refuses an unbalanced ledger entry. Integration-tested. github.com/kwanzaX/charge-ledger
- **notice-triage** (AWS Lambda, API Gateway, DynamoDB, S3, CloudFormation): a fault-tolerant service that never processes the same notice twice, keeps the original data, and falls back safely when the AI step fails. Deployed and tested end to end. github.com/kwanzaX/notice-triage
- **l10n-guard** (Go, PostgreSQL, Kafka): stops broken translations before they ship; events are never lost or duplicated between the database and Kafka. github.com/kwanzaX/l10n-guard
- **p2p-usdt-ledger** and **llm-harness-kit** (both on npm): a peer-to-peer USDT payout ledger, and an LLM agent loop with timeouts, retries and evaluations.
- Contributions to Holepunch's peer-to-peer stack (hyperswarm, paparam).

EDUCATION & LANGUAGES

Licenciatura in Accounting and Finance, final year, applied daily in billing and reconciliation logic.

English (fluent, C1) · Portuguese (native) · Spanish (intermediate, B1)