GIOVANE SAES

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São Paulo, Brazil | English (Fluent), Portuguese (Native)

Summary

Product Engineer with 4+ years of experience building full-stack products across B2B SaaS, IoT, and AI. Owns systems end to end, from cloud infrastructure and backend architecture to customer-facing workflows. Led a zero-downtime migration for a platform serving 100K+ devices, cut a five-person team's delivery cycle by 55%, and built AI-powered workflows that reduced customer integration setup from days of engineering work to a human review step.

Technical Skills

Languages: TypeScript, JavaScript, Python
Frontend: React, Next.js, Vue.js, Zustand, TanStack Query, Radix, shadcn/ui, Tailwind CSS
Backend: Node.js, Fastify, Hono
Databases: PostgreSQL, MongoDB, MySQL, DynamoDB, Redis, ElasticSearch, Supabase
Cloud & Infrastructure: AWS (EKS, Lambda, Cognito, ECR, IAM), Docker, Kubernetes, Terraform, Serverless Framework, Cloudflare Workers, GCP (Cloud Tasks, Cloud Run, Cloud Build, Cloud Storage)
AI Engineering & Tools: LLM Orchestration, Prompt Engineering, RAG, Embeddings, Claude Code, Cursor
DevOps & Tooling: GitHub Actions, Kustomize, pnpm/Turborepo, Biome, Lefthook

Experience

Product Engineer May 2026 – Present
AmberAI — B2B AI Operating System for global supply chain brands | Remote

- Built a **third-party integrations service from zero to production**, syncing records bidirectionally in real time with ERP, logistics, and e-commerce systems, with webhooks-first architecture and idempotent re-syncs.
- **Shipped production AI features replacing manual configuration: LLM pipeline that maps customer ERP schemas onto the platform's data model,** and an interpreter turning free-text contract terms into computable schedules, reducing days of engineering setup to a review click.
- **Built an LLM document-extraction pipeline turning scanned PDFs (government/financial forms) into structured line-item data,** cross-validated against document totals, replacing manual data entry.
- Built an **AI teach-by-demonstration automation feature for web systems with no API**: customers record a task once in their browser and an LLM agent replays it on schedule in disposable cloud sandboxes, approval-gated with a two-phase write ledger, **replacing per-system integration engineering at ~$0.05/run with zero idle cost.**

Software Engineer Oct 2025 – May 2026 (Rejoined) | Aug 2022 – Dec 2024
BWS IoT — IoT platform serving 100K+ active tracking devices, processing millions of daily events | Remote

- Restored **99.9% platform availability** by identifying and fixing a connection handling flaw that caused recurring outages under peak load, **protecting data from 2000+ active users**.
- **Cut engineering delivery cycle by 55%** by introducing AI-assisted development workflows across a 5-person team, **raising code quality standards and first-time pass rates** through hands-on mentorship.
- **Reduced build time from 35 seconds to 4 seconds and shrunk the production bundle by 99.5% (105MB to 562KB)** by re-architecting a 56-page internal platform from a monolith to a decoupled monorepo, unblocking faster feature delivery.

- Created entire cloud infrastructure for production environments from scratch using **Terraform, enabling zero-downtime deployments with automatic rollback and eliminating feature regressions during migration**.
- Migrated the production database from MongoDB to PostgreSQL **with zero downtime and zero regressions, designing an abstraction layer** that swapped 17 data modules transparently and validated correctness through 5 rounds of end-to-end testing.
- **Eliminated client/server data inconsistencies** by architecting a shared monorepo that enforced a single source of truth for data models and validation logic across frontend and backend.
- **Decreased CI/CD costs and deployment time** by redesigning the pipeline with image caching, 3-stage Docker builds (300MB to <100MB), and automated rollback across 3 environments.

Software Engineer Dec 2024 – Oct 2025
IntegrateIQ — US-based Integration-as-a-Service platform for enterprise clients | Remote

- Automated data workflows for enterprise clients by engineering 15+ system integrations (HubSpot, Salesforce, and others)**, synchronizing 100K+ records daily and eliminating manual data entry errors.**
- Modernized a legacy PHP website by rebuilding its frontend with Vue.js and TypeScript, replacing dated code with a typed, component-based architecture.

Education

B.Sc. Mechanical Engineering Jan 2016 – Dec 2021
Paulista University (UNIP), São Paulo

Projects

Plim — Financial Control App for Brazilians | plim.app.br
Finance app designed for Brazilian spending patterns (installments, multi-card, PIX).

- Built an AI assistant that lets users manage finances through text, voice, and photo inputs, with an embedding cache that keeps per-user AI costs near zero.
- Monetized from day one by integrating PIX and card subscription payments with webhook-verified billing.
- Validated product-market fit at $0 infrastructure cost (up to ~1,000 users) by composing provider free tiers before committing to scale.
- Protected user financial data with database-level encryption and row-level security, going beyond standard auth-only isolation.

Personal Blog | giovanes.dev/blog

- Publishes practical engineering content on topics like DynamoDB modeling, serverless architecture, and applied AI, making complex subjects accessible to working engineers.