Guilherme Jansen

Senior Software Engineer · AI Engineer

Applied cybersecurity: application authorization, signed licensing and cloud deployment controls.

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Open to on-site and hybrid roles throughout Spain and remote opportunities in Europe.

Profile

I build messaging and AI services, from API architecture to cloud operations. The FunnelChat API and Maestro run in production.

Experience

Founder & Senior Software Engineer · Setup Automatizado

Mar 2024-present

Own products and software engineering for clients.
FunnelChat API / Manager: client engagement through Setup, Aug 2025-present.

- Built FunnelChat's Go API layer on whatsmeow, with Z-API-compatible endpoints and at-least-once webhooks; integrated WebRTC calls with an embedded VoIP engine and implemented Next.js/Stripe dashboard features.
- Built AWS infrastructure and led the application's migration to Oracle Cloud Kubernetes (OKE); configured autoscaling and GitHub Actions pipelines deploying by digest.
- Right-sized resources and adapted application images for ARM64 to control cost; replaced MinIO with OCI Object Storage and implemented single-use call tickets and SSRF controls.
- Built a real estate client's operations manager (2025) and platform foundation (2026), including Python MCP integration; led initial development and now guide its team.

Partner & Senior Software Engineer · Conversa Labs

Nov 2025-present

Main developer of own modules and services; engagement since November 2025.

- Built own modules on Chatwoot's open-source (MIT) core, without the Enterprise edition, including CRM, workflow automation and an OAuth 2.1 MCP server.
- Built Maestro with Python/LangGraph, memory, human approval and execution checks; instrumented per-account AI usage and cost estimates, with optional Langfuse tracing.
- Configured GitHub Actions CI/CD with cosign image signing, SBOM generation and Docker Swarm deployment.

Web Developer (contract) · Five Performance Digital

Mar 2023-Mar 2024

Web application development for a digital agency.

Front-end Developer · Kunst Digital

Nov 2019-Nov 2020

Front-end development for a digital studio.

Technical skills

AI engineering LLM agents (LangGraph, LangChain); Python, FastAPI; Semantic memory and embeddings; Evaluation and observability (Langfuse); Model Context Protocol (MCP).

Backend and platform Go, Python; Distributed and event-driven systems (NATS JetStream, RabbitMQ); REST APIs, webhooks, OpenAPI; PostgreSQL, Redis.

DevOps, cloud and security Kubernetes, Docker; Infrastructure as code (Terraform); Amazon Web Services (AWS), Oracle Cloud Infrastructure (OCI); Monitoring and alerting (Prometheus, Grafana); Applied cybersecurity: authorization and signed licensing.

Full-stack and systems TypeScript, React, Next.js; Ruby on Rails, Vue; Rust, Tokio, Axum, SQLite.

Selected projects

Host Orchestrator · independent project · 2026

The Rust core persists command history in SQLite and exposes HTTP services and a CLI, alongside a React/TypeScript interface. It separates logical conversations from provider sessions and records uncertain command outcomes for reconciliation rather than automatic replay.

Open source

WhatsApp Flows Server. Built a TypeScript server for encrypted WhatsApp Flows requests and responses. github.com/guilhermejansen/whatsapp-flows-server

whats-convert-api. Built a Go media-conversion API using FFmpeg and libvips, with S3-compatible storage. github.com/guilhermejansen/whats-convert-api

debug-schema-webhooks. Built a webhook mapper that generates Zod schemas from received payloads. github.com/guilhermejansen/debug-schema-webhooks

clearstack. Built a Go tool to inspect and clean development artifacts, with a preview and protective checks. github.com/guilhermejansen/clearstack

Better Auth Waitlist. Built a waitlist and early-access plugin for Better Auth. Its entry was accepted into the upstream community directory. github.com/guilhermejansen/better-auth-waitlist

Horizon · Rust/macOS. Merged updater correction that retains app bundles still used by running processes. I contributed the fix; the pull request also includes a maintainer's commit. horizon-rust/horizon #5484

WuzAPI. Merged contributions covering Docker/database startup and a group-management interface. asternic/wuzapi #77

Traycer AI · acknowledged technical investigation. Investigated host memory consumption and responsiveness. A maintainer acknowledged the reports and confirmed fixes in version 1.5.4 based on the submitted data. The fixes cover file publication, repeated checks and chat-history writes. traycerai/traycer #3366

Languages

Portuguese (native) · English (A2) · Spanish (A2)