

ALEXANDRE SPINDOLA

AI-Native Full-Stack Engineer · GCP Certified

Building AI-enabled products and serverless web platforms with Svelte, Vue and Cloudflare; modernising legacy systems into scalable solutions with Go, TypeScript, n8n, Docker and cloud services.

Ostlandstraße 56, 50858 Cologne, Germany | **Date of Birth:** 19.11.1988

Mobile: +34 642 887 239 | **Email:** alexandre@spindola.me

Nationality: Spanish (EU Citizen) | **Availability:** 1 month notice | **Portfolio:** spindola.me

LinkedIn: linkedin.com/in/alexspindola | **GitHub:** github.com/alexandrespindola



WORK EXPERIENCE

Senior Software Automation Engineer

03.2026 - Present

Value AG | Germany, Remote

- Built full-stack automation services: n8n workflows, Puppeteer browser automations and a real-time operational dashboard with Hono, HTMX and SSE.
- Developed LLM-enabled workflows for classification, data extraction and text processing; integrated REST and webhook APIs with OAuth2.
- Applied AI-native tools (Claude, Codex and OpenCode) for planning, debugging, code review and documentation.

Full-Stack & AI Automation Engineer

01.2025 - 03.2026

Poropo | Spain, Remote

- Built merchant-facing e-commerce infrastructure: NestJS middleware integrating Magento 2, Shopify and Holded ERP, plus Svelte/Flutter apps backed by Firebase.
- Database architecture with PostgreSQL/Drizzle ORM and asynchronous processing (BullMQ/Redis)
- RESTful API development with Fastify achieving >80% test coverage

Full-Stack Developer Node.js (Frontend-Focused)

10.2023 - 12.2024

TitansDev | Spain, Remote

- Frontend development: Built responsive web applications using Vue.js, Nuxt.js and Astro
- Backend & data layer: Managed Node.js backend services and databases, ensuring high availability, data integrity and secure API communication for client projects.
- Developed Vue.js/Nuxt.js testing suites and component debugging strategies.

Freelance Web Developer & Consultant

12.2021 - 09.2023

Self-Employed | Brazil, Remote

- End-to-end delivery: Delivered 10+ web projects for international clients.
- Performance & SEO: Optimized websites for Core Web Vitals and page speed.
- CMS enablement: Customized WordPress and headless CMS setups (Strapi, Directus).

EDUCATION

Postgraduate in Full-Stack Development

11.2025 - Present

Descomplica College

Focus: Java Ecosystem (Spring Boot), Angular & Microservices Architecture

MBA in Software Engineering

10.2023 - 08.2025

University of São Paulo (USP)

Focus: Software Architecture, System Design, DevOps, Cloud Computing

Bachelor in Psychology

02.2008 - 12.2014

University of São Paulo (USP)

SKILLS

Backend: NestJS, Hono, Node.js, Bun, Deno, TypeScript, JavaScript, Fastify, Go, chi, Zod, GraphQL, REST APIs, OpenAPI, Webhooks, OAuth2, JWT, API Design, SQLC, Goose, Microservices, Event-Driven Architecture

Frontend: Vue.js/Nuxt.js, Svelte/SvelteKit, SSR, SSG, Astro, Vite, PWA, Paraglide i18n, HTMX, Server-Sent Events (SSE), TailwindCSS, Bootstrap, Flutter, Responsive Design, Component Libraries, State Management

Databases: MySQL, PostgreSQL, pgvector, MongoDB, Drizzle ORM, Supabase, Firebase, Migration Management, Data Modeling, Query Optimization, NoSQL, Relational Design

Queue Systems: BullMQ, Redis, Valkey, RabbitMQ, Asynchronous Processing, Job Scheduling

Testing: Vitest, Bun Test, Go Testing, Playwright, Testcontainers, Unit Testing, Integration Testing, E2E Testing

Cloud & Infrastructure: GCP (Certified), Oracle Cloud, Azure, AWS, Cloudflare, Cloudflare Pages, Cloudflare R2, Docker, Linux, Azure DevOps, CI/CD Pipelines, Git, GitOps, Sentry, Monitoring, Logging, Server Management, Ubuntu

AI & Automation: AI Agents, LLM/Multi-Agent Orchestration, Multi-LLM Development Workflows, Claude Code, Codex, OpenCode, Gemini, Azure OpenAI, Azure AI Speech, Vector Databases, n8n workflows, UiPath, Synchronous/Asynchronous AI Integration, Prompt Engineering, RPA, Puppeteer, Browser Automation, Microsoft Graph, OCR, PDF Processing, OpenAI API, Anthropic API, Embeddings, RAG

CMS & Authentication: Strapi, Directus, Better Auth, 2FA/TOTP, Session Management, GDPR Compliance

LANGUAGES

Spanish C2 - Fluent **Portuguese** C2 - Native **English** B2- Professional **Italian** B1- Conversational **German** A1-A2- Beginner

CERTIFICATES

- GCP Associate Cloud Engineer Certification
- AWS Certified Cloud Practitioner (CLF-C02)
- DIO - Automation with N8N (Santander)
- DIO - DevOps Fundamentals
- GitHub Foundations Certification
- MongoDB Node.js Developer Path

ADDITIONAL

- EU Citizenship (Spain) - No visa required
- Available for B2B contracts or permanent/full-time employment

Gnosis Platform - Multilingual Digital Library (In Development - planned launch October 2026)

- Go, SvelteKit, PostgreSQL, Valkey, Meilisearch and Cloudflare Pages - multilingual platform for reading, searching and managing digital content.
- Go REST API and background workers with type-safe SQL; RAG chat using Azure OpenAI and pgvector, book narration through Azure AI Speech, and an offline-ready SvelteKit PWA with role-based administration.

RPA Migration: UiPath to n8n + Puppeteer

- Designed the phased migration of 11 UiPath processes (38 sub-processes) to versioned n8n workflows, defining reusable browser/API automation patterns.
- Architected the Docker-based queue platform with three n8n workers, isolated task runners, RabbitMQ and PostgreSQL, including the DEE pilot with parallel validation and UiPath rollback.

Gnosis International Websites - Germany, Netherlands & Romania

- Astro, TypeScript, Tailwind CSS, Supabase and Cloudflare Pages - migrated two legacy sites and built a third from scratch on a reusable multilingual static architecture with zero server maintenance.

Enterprise Resource Integration System - Holded Core

- NestJS, TypeScript, PostgreSQL, Drizzle ORM, BullMQ, n8n - Middleware for e-commerce synchronization.
- Sync between Magento 2, Shopify and Holded ERP with hybrid architecture (event-driven + adaptive CRON).
- Cross-store ATP stock with FEFO, BullMQ/Redis async processing, >80% test coverage, Nuxt 3 dashboard.

Gentlecan - Dog Grooming Management System

- Flutter + SvelteKit + Firebase: Full-stack solution for dog grooming salon operations.
- Admin dashboard: calendar management, real-time occupancy indicators, customer segmentation.
- Mobile app: appointment booking, pet profiles, grooming history with galleries, automated reminders.

Gnosis Congress 2026 - Full-Stack Event Management Platform

- Nuxt.js, Hono, PostgreSQL, Better Auth - Event registration platform for the event.
- Responsive Nuxt.js frontend with Tailwind CSS on Cloudflare Workers, Hono.js API backend with Coolify.

IFV - WordPress Migration & Multilingual Institutional Platform

- Astro, TypeScript, Tailwind CSS, Supabase and Cloudflare Pages - migrated IFV's legacy WordPress website to a zero-maintenance serverless platform with four-language SEO content and contact pipeline.