

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 Rust, 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, containerized workers and a real-time operational dashboard with Hono, HTMX and SSE.
- Developed LLM-enabled workflows for classification, data extraction and text processing; integrated REST APIs, OAuth2 webhooks and external enterprise systems.
- Used Windmill as an internal complement to n8n for workflow automation and developer tooling.
- 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 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: Node.js, REST APIs, SQL, microservices, Docker/Kubernetes, CI/CD, AWS & DevOps

MBA in Software Engineering

10.2023 - 08.2025

University of São Paulo (USP)

Focus: Software Architecture, Full-Stack Development, DevOps, CI/CD, Cloud Computing

Bachelor in Psychology

02.2008 - 12.2014

University of São Paulo (USP)

SKILLS

Backend: Rust, Axum, Tokio, SQLx, NestJS, Hono, Node.js, Bun, Deno, TypeScript, JavaScript, Fastify, Zod, GraphQL, REST APIs, OpenAPI, Webhooks, OAuth2, JWT, API Design, 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, 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: Cargo/Rust Testing, Vitest, Bun Test, Playwright, 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

English B2- Professional

Spanish C2 - Fluent

Portuguese C2 - Native

Italian B1- Conversational

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 (planned launch October 2026)

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

Live Event Interpretation Platform (planned launch October 2026)

- Svelte 5, TypeScript, Rust, Axum, WebSockets, Azure AI Speech and Azure Translator.
- Converts WebM/Opus audio into text, translates it into seven languages, and generates per-sentence MP3 audio through parallel speech synthesis for participants.
- Single-origin architecture: one Rust binary serves the compiled Svelte frontend, API, metrics and WebSockets; designed for Oracle Cloud deployment with a p95 latency target of up to five seconds.

RPA Migration: UiPath to n8n, Puppeteer & Hono

- Migrated 11 UiPath processes / 38 sub-processes to n8n workflows with reusable Puppeteer/API patterns.
- Built a containerized TypeScript/Bun backend with Hono and Puppeteer: isolated Chrome runners, typed APIs, export orchestration and an HTMX/SSE operations dashboard.

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, Nuxt - Middleware for e-commerce synchronization.
- Sync between Magento 2, Shopify and Holded ERP with hybrid architecture (event-driven + adaptive CRON).

Gentlecan - Dog Grooming Management System

- SvelteKit + Firebase: Full-stack solution for dog grooming salon operations.
- Admin dashboard: calendar management, real-time occupancy indicators, customer segmentation.

Gnosis Congress 2026 - Full-Stack Event Management Platform

- Nuxt.js, Hono, PostgreSQL and Better Auth - production event-registration platform with 3,905 registrations.
- Manages attendee visits, lunch-day selection and transport, with Redsys payments for lunches and transport and country-filtered operational analytics.