

Alonso Gonzalo Valdivia Quispe

Senior AI Agent Engineer | LLM Orchestration | Client-Facing Technical Solutions

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Based in Europe | Open to global relocation

PROFESSIONAL SUMMARY

AI agent systems engineer and technical consultant with 7+ years building production software and 2+ years focused on LLM-powered agentic systems. Expert in multi-agent orchestration, RAG pipelines, tool-use integrations, and prompt engineering. Proven track record delivering client-facing technical solutions — embedding with multiple clients simultaneously, translating operational workflows into AI-powered automations. Currently co-founding Deeger.io and designing WAIS (Web Agent Interaction Standard), a specification for autonomous agent interactions within the MCP ecosystem. Operating as independent consultant delivering AI-integrated solutions to international clients.

WORK EXPERIENCE

Independent Consultant | algova.dev

Remote — Europe | Apr 2025 – Present

- Providing web scraping, data extraction, automation, and Data as a Service to international clients.
- Green Badger (USA): Extracted ~50,000 PDF documents from 2 certification websites, delivering structured data for product compliance tracking.
- Transsa (Chile): Data as a Service for real estate portals — Portal Inmobiliario and Assetplan.
- CityTech: Estela platform installation, spider development, and infrastructure maintenance.
- Built and manage scraping infrastructure independently using Claude Code and Cursor as primary development tools.

Co-founder & Engineer | Deeger.io

Ireland (Remote) | 2024 – Present

- Co-founded Deeger.io with Breno Colom — building open-source infrastructure for AI agent interactions on the web.
- Designed WAIS (Web Agent Interaction Standard): specification for autonomous agent discovery, authentication (SD-JWT, DPoP), and structured interactions within the MCP ecosystem.
- Built SerpHub (serphub.algova.dev): Google Search results API as a WAIS-compatible reference implementation.
- Developed Google Maps and Shein data extraction services on the Deeger platform.

Software Engineer → Tech Lead → Solution Architect → Project Manager | Bitmaker

Arequipa, Peru | Jan 2018 – Apr 2025 (40% equity co-founder)

- Built Spider Factory Agent: multi-agent orchestration system with LLM calls (Claude, GPT-4), tool-calling, structured outputs via Pydantic, context retrieval, and iterative self-validation.
- Solution Architecture Manager: created standardized specification templates, conducted client requirements gathering, designed technical solutions. 70% reduction in delivery times, 56% quality increase.
- Project Manager: led 15 simultaneous client projects with direct client communication. Turned Professional Services from deficit to +\$60,000 profitability.
- Consulting Engineer: embedded with 5+ clients simultaneously, delivering tailored solutions within ~2 day average resolution.
- Architected Estela: open-source distributed orchestration platform on Kubernetes with Kafka, Elasticsearch, Redis, event-driven processing across AWS, GCP, DigitalOcean.
- Built 35+ production data extraction systems using Scrapy, Selenium, Playwright with anti-bot bypass and proxy management.
- Automated CI/CD with GitHub Actions, GitLab CI/CD; containerized with Docker/Kubernetes; managed infra with Terraform.

Full-Stack Developer | June

San Francisco, USA (Remote) | Oct 2024 – Mar 2025

- Built the MVP for June (tryjune.ai), integrating AI models via Baseten for real-time inference in a React/Next.js application with Python backend.

- Managed deployment on Vercel, shipped continuously in a fast-paced startup environment.

Cloud Infrastructure & DevOps Manager | LinkBusters

Amsterdam, Netherlands (Remote) | Jan 2022 – Jan 2023

- Managed AWS infrastructure: 60 EC2 servers, 18 ECS clusters, achieving 20% cost reduction through optimization.
- Administered PostgreSQL databases (128GB RAM, 15TB storage), executing critical migrations with minimal downtime.
- Built inter-service communication using SQS and RabbitMQ; integrated CI/CD with CircleCI, AWS CodeDeploy.
- Implemented monitoring, alerting, and observability across distributed infrastructure.

KEY PROJECTS

Spider Factory Agent — Multi-agent orchestration: LLM calls (Claude, GPT-4), tool-calling, structured outputs (Pydantic), iterative validation, automated code generation from natural language.

WAIS — Web Agent Interaction Standard — Spec for autonomous agent interactions: discovery (agents.json), cryptographic auth (SD-JWT, DPoP), MCP integration. deeger.io/wais

Estela (Open Source) — Distributed orchestration platform on Kubernetes. Kafka, Elasticsearch, event-driven processing, multi-cloud. github.com/bitmakerla/estela

Kaiwa — Language learning platform with FSRS-6 spaced repetition, semantic search via pgvector/embeddings, custom Contextual Exposure Modifier algorithm. kaiwa.algoval.dev

EmprendeKit — SaaS CRM with AI-powered legal contract generation via LLM APIs. Supabase/PostgreSQL, Vercel, Next.js.

TECHNICAL SKILLS

AI/LLM: Claude API, GPT-4 API, multi-agent orchestration, RAG pipelines, pgvector, prompt engineering, structured outputs, tool-calling, evaluation frameworks

Agent Tools: Claude Code, Cursor, n8n, MCP protocols, agents.json, Pydantic structured outputs

Languages: Python (7+ years), TypeScript, JavaScript, Bash

Backend: FastAPI, Django, Flask, Node.js, Celery, async programming

Frontend: React, Next.js, Tailwind CSS

Databases: PostgreSQL (15TB scale), MongoDB, Redis, Elasticsearch, pgvector

Cloud/DevOps: AWS (EC2, ECS, Lambda, S3, SQS, RDS), GCP, Docker, Kubernetes, Terraform, GitHub Actions

Messaging: Kafka, RabbitMQ, AWS SQS

Integrations: REST APIs, webhooks, CRM systems, third-party APIs, OAuth2/JWT, SD-JWT, DPoP

EDUCATION

M.S. Convolutional & Adversarial Neural Networks | 2023

Focus: ResNet architectures, GANs, Computer Vision

B.S. Computer Science | San Pablo Catholic University, Arequipa | 2018

Graduated first in class (Valedictorian), GPA 4.0/4.0

ADDITIONAL

Languages: English (Fluent), Spanish (Native)

Co-founder: Deeger.io — Open-source infrastructure for the agentic web (Ireland)