

Alonso Gonzalo Valdivia Quispe

Senior Full-Stack Engineer | Infrastructure & AI Systems | Technical Leader

alonso@algova.dev | +51 950326992 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Based in Europe | Open to global relocation

PROFESSIONAL SUMMARY

Full-stack engineer and technical leader with 7+ years building distributed systems, cloud infrastructure, and AI-integrated products. Proven track record architecting scalable platforms across AWS, GCP, and DigitalOcean using Kubernetes, Terraform, and event-driven architectures. Led engineering teams managing 15 simultaneous projects, turning a services department from deficit to +\$60K profitability. Currently operating as independent consultant delivering web scraping, AI, and automation solutions to international clients, and co-founding Deeger.io for AI agent web infrastructure.

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)

- Progressive leadership from hands-on engineering through architecture, client consulting, and P&L; management across 7+ years.
- Led Professional Services turnaround: deficit to +\$60,000 profitability managing 15 simultaneous projects with 3 developers. Increased delivery capacity by 200%.
- Architected Estela (github.com/bitmakerla/estela): open-source distributed scraper orchestration platform on Kubernetes with Kafka, Elasticsearch, Redis across AWS, GCP, DigitalOcean.
- Built 35+ production scrapers using Scrapy, Selenium, Playwright with anti-bot bypass, proxy management, and browser automation.
- Solution Architecture Manager: standardized processes achieving 70% reduction in delivery times and 56% quality increase.
- Built Spider Factory Agent: AI-powered tool orchestrating LLM calls to auto-generate scrapers.
- Automated CI/CD with GitHub Actions; containerized services with Docker/Kubernetes/Helm; managed infra with Terraform.
- Reduced infrastructure costs by 50% migrating from AWS to DigitalOcean.
- Mentored team of 5 engineers, conducted code reviews, established quality standards.

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

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

Spider Factory Agent — AI-powered tool: LLM orchestration (Claude, GPT-4), tool-calling, structured outputs, automated code generation.

WAIS — Web Agent Interaction Standard — Spec for autonomous agent discovery, auth, and interactions. deeger.io/wais

Kaiwa — Language learning platform: FSRS-6 spaced repetition, semantic search via pgvector. kaiwa.algo.va.dev

EmprendeKit — SaaS CRM with AI-powered contract generation. Supabase/PostgreSQL, Next.js.

VotoClaro — Civic tech platform for Peru's elections: D'Hondt simulator, strategic voting tools, affinity quiz.

TECHNICAL SKILLS

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

Backend: Django, Flask, FastAPI, Node.js, Express, Celery

Frontend: React, Next.js, Tailwind CSS

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

Cloud (AWS): EC2, ECS, Lambda, S3, SQS, RDS, Route53, CloudFront, IAM, OpenSearch

Cloud (GCP): GKE, Cloud Storage, BigQuery, Artifact Registry, Cloud Build

DevOps: Docker, Kubernetes, Terraform, Helm, GitHub Actions, GitLab CI/CD, CircleCI

Messaging: Kafka, RabbitMQ, AWS SQS

AI/ML: LLM APIs (Claude, GPT-4), RAG, pgvector, PyTorch, CNNs, GANs, Computer Vision

Scraping: Scrapy, Selenium, Playwright, curl_cffi, anti-bot bypass, proxy management

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)