

## Carlos Cortez Bazan — CV 2026

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### Carlos Cortez Bazan — AWS Community Hero • CTO • Cloud Architect & AI/FinOps Builder

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AWS Community Hero with 12+ years in cloud architecture, AI/ML, and FinOps. Founder of FinOptix (open source FinOps engine) and co-founder of BrickstoreAI (BYaML protocol). Currently CTO at BWIT Perú leading cloud strategy for enterprise clients. Speaker at 13+ international events. Builder of production SaaS platforms, open source tools, and fine-tuned AI models.

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#### Education

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- **Torrens University Australia** — Master of Software Engineering in Cloud Computing (Advanced), 2023
  - **MIT Sloan School of Management** — Data Analytics Diploma, 2019–2020 (On-site, Boston, MA)
  - **University of Chile** — Postgraduate Certificate in Data Analytics, 2019–2020
  - **BSG Institute** — Certified Big Data & Machine Learning Program, 2017–2018
  - **Norbert Wiener University** — Bachelor of Computer Systems Engineering, 2013–2017
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#### Certifications & Awards

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- **AWS Community Hero** (Awarded by AWS, 2021 – Present)
  - AWS Security Specialty (Active)
  - Gremlin Certified Chaos Engineering Practitioner (2021)
  - Certified Foundation for Istio by Solo.io (2021)
  - 70-534 Architecting Microsoft Azure Solutions (Microsoft, 2017)
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#### Open Source & Products

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##### FinOptix — Founder & Builder (2026 – Present)

*Open source FinOps intelligence platform. Domains: [sofe.dev](https://sofe.dev), [finoptix.dev](https://finoptix.dev), [platform.sofe.dev](https://platform.sofe.dev)*

- **SOFE** (Stairway Open FinOps Engine) — policy-as-code engine for cloud cost governance
  - 17 AWS collectors, 20 policies, Python (PyPI: `pip install sofe`)
  - SaaS platform: Firebase Auth, Cloudflare Workers, AWS Lambda backend
  - 9-page dashboard: topology graph, scheduled evals, alerts (Slack/email), billing
  - Docker image ([ghcr.io](https://ghcr.io), multi-arch), Go CLI ([goreleaser](https://goreleaser.com)), GitHub Action (@v1)
  - 28/40 SoWs complete, 16 sprints shipped in 12 days
- **FinOptix-14B** — fine-tuned 14B parameter SLM for FinOps/Cloud Governance
  - Qwen 2.5 14B base, QLoRA on Modal (A100-80GB), GGUF published
  - Open weights on HuggingFace (Apache 2.0), custom Gradio UI
  - 6/6 hackathon badges earned (HuggingFace Build Small)

##### BrickstoreAI — Co-founder & Principal Architect (2024 – Present)

*AI-augmented architecture governance platform. Domain: [brickstore.ai](https://brickstore.ai), [byaml.org](https://byaml.org)*

- **BYaML** (Build Your Architecture Markup Language) — open protocol for cloud architecture metadata
  - Schema v0.3 live at [schema.byaml.org](https://schema.byaml.org) (58 component types, 25 relationship types)
  - `byaml-finops-mcp`: MCP server on PyPI (9 tools, real-time AWS FinOps analysis)

- byaml-vscode: VS Code extension on Marketplace (syntax, snippets, validation)
- Platform: NestJS API + Gatsby frontend + MongoDB + 53 SoWs delivered
- Full-stack SaaS: AWS Lambda (NestJS), Cloudflare Pages, Google OAuth, JWT auth

### Cloud Swords — Minecraft Mod (2026)

- AWS-themed combat mod for Minecraft 1.20.1 (Fabric), published on Modrinth
- 7 swords representing AWS services with unique abilities
- Demonstrates cloud concepts through gaming for developer education

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## Professional Experience

### CTO & Principal Solutions Architect — BWIT Perú (Oct 2025 – Present)

Leading technology strategy for a cloud services company focused on AWS enterprise clients:

- **Cloud Architecture & Security:** Landing zones, workload modernization, enterprise networking, secure architectures for government, banking, and education clients
- **AI & Generative AI Strategy:** RAG, agents (Strands SDK, LangChain), automation solutions aligned with business outcomes
- **Technical Delivery:** Quality assurance across migrations, modernization, data platforms. Frameworks, standards, and governance
- **Pre-Sales & Go-to-Market:** High-impact proposals, customer discovery sessions, technical assessments. Aligned with AWS and Ingram Micro
- **Strategic Partnerships:** AWS Advanced Partner path, IBM Instana partnership, Service Delivery badges progression
- **Revenue Impact:** Managing ~\$1M ARR across 4 enterprise accounts

### Tech Head AWS Studio — Orion LATAM Perú (May 2025)

- Led end-to-end AWS Studio: design, development, and managing pre-sales engineers
- Built AI Platform for tariff services (TypeScript, Next.js, NestJS, Docker, MongoDB)
- Managed AWS team for 3 countries (Chile, Peru, Colombia) — \$17M forecast
- Designed GenAI business cases using Strands Agents SDK, LangChain, CrewAI, AgentCore
- Speaker at international events (Seattle, Peru, Chile, Brazil)

### Principal Solutions Architect — BrickstoreAI Sydney (Feb 2024 – Present)

- Created BYaML declarative language and protocol for Augmented DevOps with AI
- Launched generative AI platform using LangChain, Bedrock, SageMaker, and LLMops
- Built AI solutions with RAG architecture, SLMs, vector DBs, and prompt engineering
- Led technical roadmap and product vision for developer AI automation

### Solutions Architect Lead — CyberCX Sydney (Sep 2022 – Oct 2024)

- Designed secure AWS Landing Zones for public sector clients (Terraform, CloudFormation)
- Led cloud modernization and migration to AWS/Azure (Serverless & Containers)
- Contributed to AWS competency achievements through process improvement
- AI/NLP integrations for healthcare cybersecurity and risk mitigation
- AWS Connect automation for call center systems (CDK, Terraform, Twilio)

### Hyperscale Solutions Architect (AWS) — AC3 Sydney (Mar 2022 – Aug 2022)

- Delivered complex cloud infrastructure using AWS, CDK, and CI/CD pipelines
- Infrastructure automation, cost optimization, and scalable customer environments

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## Previous Roles (2015–2022)

Role	Company	Location	Period	Key
Tech Lead Senior Cloud Architect	Globant	Peru	Nov 2021 – Apr 2022	FinTech mobile apps, Terraform, Lambda, Fargate, DevSecOps

Role	Company	Location	Period	Key
Lead Solution Architect	CENNTI Cloud	Peru & Chile	Jan 2020 – Oct 2021	AI/ML for mining/healthcare, AWS Advanced Partner, multi-account
Senior Cloud Architect	BGH Tech Partner	Chile	Dec 2019 – Nov 2020	COVID-19 data analytics, ETL (Glue, BigQuery), MLOps (SageMaker)
Lead Migration Architect	Nubox	Chile	Dec 2018 – Dec 2019	Full on-prem → AWS migration (18 years data), Terraform, multi-country
AI & Cloud Architect	In Motion Group	Chile & Peru	Feb 2017 – Nov 2018	ML solutions, Amazon Connect, chatbots, predictive analytics
Head of IT Infrastructure	Grupo La República	Peru	Nov 2015 – Feb 2017	27K concurrent visits/sec, AWS Case Study published
AWS Infrastructure Engineer	Grupo RPP	Peru	Jul 2015 – Nov 2015	Media migration IBM → AWS, Auto Scaling, CodeDeploy
Infrastructure Engineer	Grupo El Comercio	Peru	Sep 2014 – Jul 2015	High-traffic media, AWS Case Study for election coverage

## Community & Speaking

- **AWS Community Hero** (2021 – Present) — recognized for cloud community impact
- **AWS User Group Peru** — Founder & leader (now Nefi leads operations, Carlos contributes as Hero)
- **AWS User Group ML LATAM** — Co-leader with Max Zevallos (biweekly sessions on AI/ML)
- **13+ international talks** — AWS Community Days (Lima, Santiago), Data Architect Fest, meetups
- **Dev.to** — 800+ followers, 10+ technical blog posts (LLMOps, FinOps, Agents, MCP)
- **HuggingFace** — Published model (FinOptix-14B) + blog + Gradio Space

## Technical Skills

**Cloud:** AWS (12+ years), Azure, GCP | **Infra:** Terraform, CDK, CloudFormation, Pulumi | **AI/ML:** Bedrock, SageMaker, LangChain, Strands Agents, RAG, Fine-tuning (QLoRA), MLflow | **Languages:** Python, TypeScript, Go, Java, Rust | **Frameworks:** Next.js, NestJS, FastAPI, Hono | **DevOps:** Docker, Kubernetes, GitHub Actions, CI/CD, GitOps | **FinOps:** Cost optimization, policy-as-code, MCP tools, governance automation | **Data:** DynamoDB, MongoDB, PostgreSQL, Firestore, Neo4j, S3 | **Platforms:** Cloudflare (Workers, Pages, D1), Firebase, Vercel