

ROBERTO ASTUDILLO V.

Fractional CTO · Cloud Architecture & Applied AI

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SUMMARY

Computer Engineer and Master's in Technology Management and Entrepreneurship with 20+ years leading technology across retail, industry, government, and education. I currently operate as a Fractional CTO for companies that have outgrown their systems, combining cloud architecture (AWS/Azure/GCP), ERP modernization (SAP B1, Odoo), and applied AI (agents, automation, local LLMs) with the same operational discipline I used leading in-house teams. I deliver measurable, project-based outcomes: cost savings, reduced operational time, and continuity of critical systems.

EXPERIENCE

Strategic AI & Cloud Consultant (Fractional CTO)

Oct 2024 – Present

Independent

- Lead cloud architecture, AWS/Azure migrations, cybersecurity, and AI-driven automation for multiple concurrent clients in retail, mining, and government.
- Design and build SyncroND, a multi-tenant SaaS platform for ERP/CRM data synchronization, in production on AWS ECS.
- Build and operate ColdTemplar Labs: a production-grade private AI lab (local LLMs, Qdrant-based RAG, n8n automation) as a replicable proof of technical capability for clients.

IT & Communications Technology Manager (CTO/CIO)

Dec 2022 – Oct 2024

Colegio Pioneros

- Designed and implemented technology strategies that increased operational efficiency by 25%.
- Led the integration of advanced educational solutions aligned with organizational needs.
- Oversaw the full technology infrastructure, ensuring security and scalability.

IT Manager

Dec 2014 – Dec 2022

Italmod S.A. (IO / ASH / MaGriffe)

- Designed and implemented AWS-based enterprise architectures, achieving a 40% reduction in operating costs.
- Led ERP (SAP B1) and e-commerce platform (Magento 2) implementation, growing online sales by 20%.
- Integrated OMS with the SAP B1 ERP, improving operational efficiency and order tracking.
- Optimized the supply chain with WMS, reducing processing times by 30%.

IT & Technology Lead

Dec 2011 – Dec 2013

Oxiquim S.A.

- Geolocation-based logistics architectures and mobile fleet-tracking tools, delivering 20% in savings.

Head of IT

Dec 2010 – Dec 2011

Ministerio de Bienes Nacionales (Chilean Ministry of National Assets)

- Designed and implemented a nationwide BPM rollout; business intelligence solutions with Pentaho.

TECHNICAL SKILLS

Cloud: AWS, Azure, GCP · **Containers/DevOps:** Docker, Jenkins, CI/CD · **ERP:** SAP B1, Odoo 19
· **AI & Automation:** n8n, Qdrant (RAG), local LLMs (Ollama), LLM orchestration (LiteLLM),
MediaPipe · **Networking & Security:** Cisco, Meraki, Fortinet, Cloudflare · **Databases:** PostgreSQL
· **Methodologies:** Scrum, Lean, Kanban, ITIL V4 · **Languages:** Spanish (native), English (upper-
intermediate)

CERTIFICATIONS

DevOps Professional Certificate (CertiProf) · CTO Executive Certification (Institute of Management,
Technology and Finance) · Odoo 19 Functional Certification (Odoo) · ITIL V4 Foundation (Axelos) ·
Pentaho Business Analytics · Jboss JBPM & Alfresco Enterprise

EDUCATION

B.S. in Computer Engineering — *Pontifical Catholic University of Valparaíso* · 2003

Master's in Technology Management and Entrepreneurship — *Universidad Adolfo Ibáñez* · 2015

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