

Carlos Castro

Chief Technology Officer · Product & Engineering Leadership

[linkedin.com/in/nycker](https://www.linkedin.com/in/nycker)

PROFILE

Technology executive with 12+ years across software engineering, product management and engineering leadership, currently CTO of an energy-sector SaaS platform. Combines hands-on engineering depth in Python, cloud infrastructure and data with product ownership — discovery, roadmaps, go-to-market — and the delivery discipline to build teams that ship predictably. Bilingual in English and Spanish, with a background spanning technical translation, industrial software and platform architecture.

EXPERIENCE

Chief Technology Officer

Jul 2026 — Present

Technology strategy · Engineering leadership

- Lead global technology strategy, systems architecture and engineering management for a multi-tenant SaaS platform serving asset-integrity workflows.
- Define and execute the technology roadmap against strategic objectives and business growth, with explicit cost, performance and time-to-market trade-offs.
- Own architecture for scalable, secure software; set development practice, code quality and continuous delivery standards across the engineering team.
- Integrate product vision into technical strategy so platform investment maps to measurable user and commercial outcomes.

Product Manager / IT Project Manager

Jun 2023 — Jul 2026

Product strategy · Delivery

- Owned product strategy and roadmap for a SaaS platform in oil and gas asset integrity, from market discovery through launch and adoption.
- Prioritised features against business goals, client needs and delivery capacity; ran market research and product analytics to support evidence-based decisions.
- Coordinated engineering, design, marketing and commercial stakeholders under Agile delivery, aligning scope, expectations and measurable outcomes.
- Supported ISO 27000 implementation and certification activities for the SaaS solution.

Full Stack Software Engineer

May 2020 — Jun 2023

Cloud · Data · APIs

- Designed and shipped Python tooling for engineering assessment, including remaining-life prediction and corrosion-growth workflows used in integrity decisions.
- Modelled relational data and built REST APIs across PostgreSQL, SQLite, MongoDB and Amazon Cognito, with backend performance testing and front-end validation.
- Deployed to AWS using CodeCommit, CodePipeline, ECR and Amplify, and maintained Docker/Swarm services hosting Python workloads and relational databases.
- Connected Python services to Angular front ends with Apache ECharts, and prototyped GIS integrations using ArcGIS, Mapbox, Leaflet and OpenStreetMap.

Bilingual delivery · Quality

- Ran localisation and technical/legal translation for engineering documentation across Mexico, the US, Chile and the UK.
- Built terminology databases and translation memories that improved consistency, quality and turnaround.
- Served as internal ISO 9001 auditor and interpreted in client and commercial meetings.

English Language Instructor (TESOL)

Jan 2012 — Nov 2014

- Taught English as a foreign language and Spanish to international learners; trained incoming instructors and designed assessment material.

EDUCATION

B.Eng. Software Development Engineering

B.A. English Language

Interpretation & Translation

SELECTED CERTIFICATIONS

Evaluating Agents with LangSmith

KodeKloud · Oct 2026

RAG & MCP Fundamentals

KodeKloud · Oct 2026

API Engineer: Node, Python, Django, PostgreSQL

Udemy · May 2026

Angular — The Complete Guide

Udemy · May 2026

Scientific Computing with Python

freeCodeCamp · Apr 2023

Scrum Master

Udemy · Jul 2022

LANGUAGES

Spanish — Native · English — Full professional · French — Limited working

CORE SKILLS

Leadership: technology strategy, engineering management, product ownership, roadmaps, stakeholder alignment, hiring and team design.

Engineering: Python, TypeScript, SQL, REST APIs, Angular, PostgreSQL, MongoDB, Docker, AWS (CodePipeline, ECR, Amplify, ECS), Azure, CI/CD, GIS integrations.

Governance: ISO 27000 implementation support, ISO 9001 internal auditing, Agile delivery.

Company names are intentionally omitted. References available on request.