

Sara Tito

Full-stack Developer · Civil Engineer

Ecuador Quito, Pichincha LinkedIn

PROFILE

I am a civil engineer and I have been building software for six months. I did not leave engineering behind: I found I can solve with code the problems I used to solve with spreadsheets. I built a project management application with S-curve, CPI and SPI that is running in production today, and I have not stopped since. I am particularly interested in AI applied to real operational problems.

EXPERIENCE

Full-stack Developer

2026 — present

Own product · in production

Design and development of a project management application with S-curve, CPI and SPI, Microsoft Project schedule import and AI-generated reports. Next.js, Supabase, Python Lambda functions and the OpenAI SDK. In productive use at an oil sector company. I hold the licence to the core and the white-label version.

Junior Operations Engineer

Dec 2025 — May 2026

Grupo Petrosynergy

Logistics coordination of field services and personnel (Tiguino Block). Drilling campaign dashboards and KPIs. Cost control and AFE tracking on OPEX workover projects. Document management and regulatory compliance.

Civil Specialist

Jan 2025 — Nov 2025

Independent professional

Supervision of surveying and road maintenance works. Technical tender documents, reference budgets and Microsoft Project schedules.

Site Resident Engineer

Oct 2024 — Jan 2025

DIPROCIV

On-site supervision of construction processes, as-built drawings and control of personnel, materials and equipment.

Quantity Surveyor

Jul 2024 — Sep 2024

SEDEMI SCC

QA/QC quality dossier, work volume calculation and on-site supervision. Tanicuchí, Cotopaxi.

Project Control

Feb 2022 — Feb 2023

Grupo Petrosynergy

Execution tracking, weekly progress reports and S-curve schedules in Microsoft Project. Paving project: soil study review and geometric design.

Research Fellow

Jun 2021 — Oct 2021

Catholic University of Córdoba

Design of the "El Algarrobal" constructed wetland with Google Earth Pro and SketchUp. Research published on ResearchGate.

TECHNOLOGIES

Next.js · React TypeScript Python
Supabase · PostgreSQL Git · Gitflow

ALSO

- AWS Lambda · funciones serverless
- OpenAI SDK · IA aplicada
- Clean Architecture · patrón repositorio
- Earned Value Management (CPI, SPI, curva S)
- Microsoft Project · control de obra

LANGUAGES

Spanish Native
English Intermediate (B1)

EDUCATION

Claude Code course

Anthropic

2026 · in progress

Leveraging generative AI for project management

LinkedIn Learning

2026 · certified

Civil Engineering

Pontifical Catholic University of Ecuador

Aug 2017 — Jan 2024

Petroleum Technology

Instituto Rumiñahui

Apr 2026 — 2028 · in progress

Available for remote work

SELECTED PROJECTS

Project manager with S-curve and AI

2026

Oil sector · confidential

Production application: S-curve, CPI, SPI, Microsoft Project schedule import and AI-generated reports.

Drilling and workover cost dashboard

2026

Oil sector · confidential

Cost dashboard for drilling campaigns and workovers, on the same stack as the project manager.

Campaign KPIs · Tiguino Block

2026

Grupo Petrosynergy

Drilling campaign dashboards and KPIs, cost control and AFE tracking.