

Sara Tito

Civil Engineer · Full-stack Developer

Ecuador Quito, Pichincha saraestitom@hotmail.com 097 860 7441

PROFILE

Civil Engineer with experience in project control, supervision of civil works and operations in the hydrocarbons and construction sectors. Currently expanding my education with a Higher Technology degree in Petroleum, a field I am passionate about and where I intend to keep growing professionally. I also build custom software, and I have a strong interest in applying Artificial Intelligence to create dashboards and analysis tools that improve decision-making. I combine hands-on technical field experience with analytical and digital skills to add value to engineering and management projects.

TECHNOLOGIES

- Microsoft Office
- Microsoft Project
- Power BI
- AutoCAD 2D
- Revit
- Etabs
- 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)

LANGUAGES

Spanish	Native
English	B1

EDUCATION

Civil Engineering

Pontifical Catholic University of Ecuador

Aug 2017 — Jan 2024

Petroleum Technology

Instituto Rumiñahui

Apr 2026 — 2028 · in progress

COURSES & CERTIFICATIONS

- Claude Code course · Anthropic (2026 · in progress)
- Leveraging generative AI for project management · LinkedIn Learning (2026)
- Defensive driving (2026)
- Petroleum training for non-petroleum professionals (2026)
- Digital surveying: Civil 3D and total station (2025)
- Rig Pass · IADC (2025)
- Occupational risk prevention (2024)

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.

Civil Supervisor

Jul — Aug 2026

Constructora Velastegui Cerón

Project: road maintenance, Tiguino Block.

Consultancy

Jun 2026

Grupo TGP

Work requests, document control, drilling, completion and workover results, well diagrams, drilling KPIs, NPT, root cause analysis report, rig demobilisation and drilling dashboard.

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.

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.	