

Thiago Sousa Santos

Tech Lead @ RevGás · full stack developer ·
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SUMMARY

I am self-taught and always looking for new knowledge. I enjoy challenges, especially understanding the problem before jumping to a solution. I like to estimate and organize tasks and to set realistic deadlines. That keeps the work aligned with the team and lets development flow.

Today I am Tech Lead at RevGás, on fiscal and management systems for LPG resellers. Before that I was CTO at Expandr for six years, an edtech focused on student acquisition.

EXPERIENCE

Tech Lead @ RevGás

nov 2021 – present

- Technical lead for the RevGás product, across the web ERP, Android apps and backend services. Joined as Systems Analyst.
- Fiscal and management system for LPG resellers, focused on operational efficiency and compliance.
- Requirements gathering with stakeholders, turned into technical specs and solutions.
- Testing, validation, technical support and end-user training.

Java · Spring Boot · Angular · Kotlin · Jetpack Compose · Python · Go · Rust · Tauri · AWS Lambda · AWS CDK · DynamoDB · MySQL

CTO @ Expandr

jul 2018 – jun 2024

- Technical lead for a student acquisition product for educational institutions.
- Evolved the product from user feedback and analytics, with strategic planning alongside the team.

PHP · Laminas · CakePHP · Doctrine · Ruby on Rails · Flutter · AWS · MySQL · Docker

Full stack developer @ Gerador de Matrículas

jan 2018 – jun 2018

- Built and maintained the CRM for educational institutions.
- Managed AWS services and CI/CD pipelines for build, tests and deploy.

PHP · JavaScript · WordPress · AWS · MariaDB

Programmer @ Flex Marketing Digital

jan 2016 – dec 2017

- Web applications and responsive interfaces for digital marketing campaigns.
- Integrations with APIs and marketing automation tools.

PHP · Zend Framework · CakePHP · WordPress · Mautic

Technical support @ Net Use System

aug 2015 – dec 2015

- Support tickets, workstation maintenance and user training on tax software.

Delphi · Object Pascal

SELECTED PROJECTS

RevGás ERP · web · TypeScript · 2019

Web front end of the RevGás ERP, kept up to date from Angular 9 to 21. Angular Material, maps with deck.gl, SSR and PWA, Storybook, Vitest and Playwright.

RevGás for Couriers · Kotlin · 2022

Native Android app for delivery management. Kotlin, Jetpack Compose, Room, Koin and Firebase, with detekt, ktlint and a broad test suite.

RevGás ERP · core · Java · 2021

Fiscal and management system for LPG resellers, a Java monolith with Struts, Spring and Hibernate on AWS, plus new Spring Boot, Go and serverless services. Integrations with WhatsApp API, Twilio and Zendesk.

Bina RevGás · Rust · 2026

Desktop caller ID client that reads the phone line through the serial port. A rewrite in Rust and Tauri 2 of the old Java 8 client.

CadiroVault · Ruby · 2026

Path of Exile 2 trading companion in Rails 8.1. Syncs stash listings from the trade site, price-checks items, watches new drops in near real time and matches in-game buy offers to items. Invite-only, with passkeys and TOTP, Hotwire, Solid Queue and SQLite, deployed with Kamal.

Certz · Ruby · 2026

Event certificate platform in Rails 8.1. Events, participants imported from spreadsheets and PDF certificates rendered with Grover. Pundit authorization, passkeys and TOTP. A rewrite of the original Zend Framework version.

gitops-local · Shell · 2026

Local Kubernetes cluster managed with GitOps. ArgoCD, Kustomize, ingress and Postgres as a StatefulSet, with bootstrap scripts from scratch.

SKILLS

languages	TypeScript · Java · Kotlin · PHP · Ruby · Python · JavaScript · Go · Rust · GDScript · SQL
frontend	Angular · Angular Material · Hotwire · Tailwind CSS · Storybook · Vite · React · Livewire
backend	Ruby on Rails · Spring Boot · CakePHP · Laminas · Laravel · NestJS · Express · FastAPI · Flask · Struts 2
mobile & desktop	Android · Jetpack Compose · Room · Koin · Firebase · Tauri · Godot
data	MySQL · PostgreSQL · SQLite · DynamoDB · Redis · Prisma · Doctrine
infra	AWS Lambda · AWS CDK · S3 · SQS · CodeBuild · Serverless Framework · Docker · Kamal · Kubernetes · Argo CD · GitHub Actions · GitLab CI
testing	Playwright · Vitest · Jest · JUnit · PHPUnit · Capybara · GUT · k6
tools	zsh · Git · mise · pnpm · Rollbar · Twilio · WhatsApp API · Zendesk · Jira

EDUCATION

BSc in Computer Science
Universidade Federal do Piauí · 2010 – 2014
Undergraduate research in computer vision:
feature selection for detecting helmet use
by motorcyclists.

LANGUAGES

Portuguese (native), English