

# Thiago Pires Alves de Castro

## Senior iOS Engineer · Full Stack Engineer

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Senior software engineer with 15+ years of experience across mobile, web, backend, and cloud-based products. Solid iOS background in Swift, SwiftUI, UIKit, Objective-C, and App Store delivery, combined with strong full stack experience across Angular, Node.js, Java Spring Boot, AWS, Docker, and CI/CD. 30+ Objective-C projects and a track record of technical leadership and end-to-end delivery across enterprise and consulting environments.

## WORK EXPERIENCE

### Senior Software Engineer

#### Tadpull Inc.

📅 May 2025 - Present

- Contributes to architecture and implementation of scalable production systems for high-volume ecommerce operations, with ownership across frontend, backend, and cloud-integrated services.
- Works on distributed systems serving consumer brands across paid media, email, SEO, CRO, and analytics verticals — with focus on performance, reliability, and maintainable delivery.
- Builds and maintains frontend and backend systems using Angular within a distributed international engineering team.

### Mobile Engineer · Tech Lead · Senior Full Stack Engineer

#### CrossWork Tech & Consulting

📅 Jun 2022 - Present

- Served as **Tech Lead** across 8+ iOS and Android projects, owning architecture, delivery strategy, code reviews, and cross-team alignment for enterprise and government clients.
- Built iOS apps with Swift, SwiftUI, UIKit, Combine, URLSession, Core Data, MVVM, and Clean Architecture for clients such as Atac Sistemas (B2B/B2C mobile commerce) and Levante Ideias (financial content platform).
- Drove App Store Connect, TestFlight, APNs, and CI/CD pipelines via GitHub Actions and GitLab CI.
- Maintained senior full stack responsibilities across Angular, Java Spring Boot, Node.js, AdonisJS, Docker, and microfrontend architecture.

### Co-Founder & Head of Technology

#### Solarbid · Ownergy Solar

📅 Oct 2018 - May 2022

- 1st place at the Raja Launch Pre-Acceleration Program. Led all technology for a solar energy marketplace: native iOS app for photovoltaic sizing and field auditing, plus web marketplace, backend APIs, and AWS infrastructure.

## EDUCATION

### Postgraduate *(in progress)*

Mobile Engineering

**Pontifical Catholic University of Minas Gerais (PUC Minas)**

2024 - 2026

### B.Tech - Technology

Systems Analysis & Development

**Pontifical Catholic University of Minas Gerais (PUC Minas)**

## COURSES & CERTIFICATIONS

### Objective-C + UIKit Development

IDS · Apple Authorized Training Center

### Swift + SwiftUI Development

IDS · Apple Authorized Training Center

### Artificial Intelligence - HCIA-AI V3.5

Huawei

### SAP Sales & Distribution (SD)

Infosys Technologies

### SAP ABAP Development

Consystem

### AWS Cloud Practitioner

AWS Treina Brasil

## CORE IOS SKILLS

- Swift · SwiftUI · UIKit
- Objective-C legacy modernization (30+ projects)
- Combine · async/await · modern Swift concurrency
- Core Data · SwiftData
- URLSession · REST APIs · JSON
- MVVM · Clean Architecture
- Coordinators · Dependency Injection
- App Store Connect · TestFlight
- APNs · Firebase · Push Notifications
- XCTest · Unit Testing
- Instruments · Xcode
- Swift Package Manager · CocoaPods · Carthage
- GitHub Actions · GitLab CI

**Senior iOS Development Engineer** Jun 2016 - Jul 2018

**LUXFACTA - Solucoes de TI - Rio Claro, SP**

- Delivered native iOS apps in Objective-C for global enterprise brands: internal and field-sales mobile apps for **AB InBev** and **Ambev** (world's largest beverage company), and consumer brand apps for **Unilever**.
- Built complex UIKit interfaces with Storyboards, XIBs, and Auto Layout; integrated REST APIs, push notifications, and multi-environment configurations; managed dependencies with CocoaPods and delivered to App Store.

**Senior iOS Development Engineer** Sep 2015 - May 2016

**SysMap Solutions - Belo Horizonte, MG**

- Developed native iOS apps in Swift and Objective-C for **Globo** (Brazil's largest media company, news and entertainment), **Natura** (Brazil's largest cosmetics brand), and **Sodexo** (corporate benefits platform).
- Stack: Swift, Objective-C, UIKit, Storyboards, REST APIs, CocoaPods; coordinated App Store releases and cross-platform delivery with backend teams.

**Senior iOS Development Engineer** May 2014 - Dec 2014

**eMotion Digital - Belo Horizonte, MG**

- Built native iOS apps in Objective-C for **TIM Kids Brincar** (children's educational app for TIM, one of Brazil's major telecoms) and **Kroton Educacional** (mobile learning platform for Brazil's largest education group, serving millions of students).

**iOS & Full-stack Developer** Jan 2012 - May 2014

**Ibrowse Consultoria e Informatica**

- Delivered native iOS applications in Objective-C for enterprise and media clients, including **Rede Record R7** (major Brazilian broadcast network), alongside web and backend projects for diverse industries.

**SAP ABAP & SD Consultant** Jan 2009 - Feb 2012

**Infosys Technologies Ltd.**

- Led SAP Sales & Distribution implementations for **PEPSICO**, Kraft Foods, and Sigga, owning the Order to Cash cycle, inventory allocation, service to key accounts, and pricing/rebate configurations.
- Developed ABAP technical solutions: scheduled reports, online programs, batch-input routines, BAPIs, User Exits, SAPScript, and interface specifications.

**EARLY CAREER**

**Software Engineer** Dec 2007 - Jan 2009

**Fundacao IPEAD**

**Software Engineer** Jan 2006 - Dec 2006

**Part Comunicacao Online**

**Software Engineer** Jan 2004 - Dec 2005

**Prodabel**

**FULL STACK**

- Angular · TypeScript · JavaScript
- Node.js · AdonisJS
- Java Spring Boot · PHP Laravel
- Ionic · React Native
- Firebase · Docker · AWS · GCP
- Cypress · Selenium · Protractor
- CI/CD · Microfrontends

**LANGUAGES**

**Portuguese** Native  
**English** Professional Working Proficiency

**KEYWORDS**

Senior iOS Developer · iOS Engineer · Mobile Developer · Swift Developer · Objective-C · SwiftUI · UIKit · Combine · Core Data · SwiftData · REST · MVVM · Clean Architecture · App Store Connect · TestFlight · APNs · Firebase · Swift Package Manager · CocoaPods · Carthage · XCTest · Instruments · Xcode · CI/CD · Tech Lead · Technical Lead · Full Stack Engineer · Angular · Node.js · Java Spring Boot · Docker · AWS · Agile · Scrum · Remote-first · Asynchronous Communication