

# Ronan Rodrigo Nunes

Principal Software Engineer | Mobile Platform Architecture & Observability | Swift/iOS • Go • TypeScript/React Native | Ex-Uber & Nubank

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Joinville, SC

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LinkedIn

Portfolio

Blog

## Profile

Principal Software Engineer with 15+ years of experience in mobile platforms, systems design, and developer productivity. Leads platform architecture across iOS, Android, and React Native, with hands-on expertise in Swift, Go, TypeScript, and OpenTelemetry. At PicPay, designs scalable observability services, low-code delivery platforms, and cross-platform foundations that help product teams ship with greater autonomy. Previously contributed to safety-critical mobile systems at Uber and customer-facing financial products at Nubank.

## Experience

### Principal Software Engineer

Oct 2021 - Present

PicPay • São Paulo, Brazil

Lead Platform Engineering initiatives that scale PicPay's mobile stack across iOS, Android, and React Native.

- Architected and deployed a Go microservice that converts mobile logs, traces, and metrics into OpenTelemetry Protocol, cutting cross-team troubleshooting time across the organization.
- Engineered a low-code platform that lets non-engineers deploy mobile feature updates, reducing time-to-market from release-bound cycles to on-demand shipping.
- Created a React Native platform adopted across product squads, unifying native module access between iOS and Android.
- Authored RFCs on mobile productivity and observability that became the organization-wide reference for mobile app development.
- Led cross-functional task forces on mobile delivery bottlenecks and mentored senior engineers on architecture and career growth.
- Advised business units on cross-platform architecture decisions spanning iOS, Android, and React Native.

### Software Engineer

Mar 2019 - Oct 2021

Uber • Greater São Paulo Area

Designed and scaled the Safety Media Platform's audio recording framework, a critical global safety feature for millions of riders and drivers.

- Designed and shipped the Safety Media Platform's audio recording framework in Swift and AVFoundation, handling peak global load for millions of riders and drivers.
- Built a reusable audio framework adopted by downstream Safety audio features across the organization.
- Delivered cross-stack architecture spanning Uber's Safety organization, ensuring high availability and robust performance under peak global loads.
- Partnered with Product Managers and Designers to deliver core Safety user experiences from concept to rollout.
- Mentored teammates, reviewed technical designs and code, and led sessions on design patterns and testing methodologies.
- Led training sessions for new hires and interviewed software engineering candidates.

### Software Engineer

Oct 2017 - Feb 2019

Nubank • Greater São Paulo Area

Worked on the Member Get Member (MGM) and Authorizations teams, shipping iOS features end-to-end from conception to production data analysis.

- Shipped the Virtual Card feature on the Nubank iOS app using XCTest, TDD, and Clean Architecture
- Built Member Get Member (MGM) flows on iOS from conception to production data analysis, increasing user engagement and referral conversions
- Integrated Hypermedia APIs across the iOS app and backend, ensuring resilient authorization flows

### Software Engineer

Nov 2016 - Sep 2017

Concrete Solutions • Greater São Paulo Area

Shipped iOS applications with Swift using agile management and direct customer relationships on two main projects: an e-commerce app for Carrefour grocery stores and an audio streaming app for CBN radios.

- Delivered the Carrefour grocery e-commerce iOS app in Swift with CI via Fastlane
- Built the CBN radios audio streaming iOS app in Swift, integrating REST APIs and handling audio playback at scale

## Software Developer

Jun 2015 - Oct 2016

Meus Pedidos • Joinville, SC

Full-stack developer on a sales-rep solution, working across web (frontend and backend) and mobile.

- Shipped the order profitability feature end-to-end across mobile, backend, and frontend using Xamarin/C#, Django/Python, and JavaScript
- Contributed to Android and iOS app development on a shared Xamarin codebase

## Software Developer

Jan 2013 - Mar 2015

Befective Brasil • Joinville Area, Brazil

Web, iOS and macOS developer programming in Ruby on Rails, Swift and CoffeeScript, with MongoDB as the primary store.

- Developed web, iOS, and macOS applications using Ruby on Rails, Swift, CoffeeScript, and MongoDB
- Built a productivity measurement solution for macOS based on machine usage patterns

## Software Developer

Feb 2011 - Feb 2012

Euax Gestão de Projetos • Joinville, Santa Catarina, Brasil

First professional contact with Ruby on Rails at a Scrum consultancy, contributing to two web apps: a social network for events (twygo.com) and a collaborative network for project management (artia.com).

- Developed web applications using Ruby on Rails, MySQL, Git, and Scrum methodologies, contributing to products such as twygo.com and artia.com

## Education

### Bachelor's degree in Computer and Information Systems Security/Information Assurance

2007 - 2011

Universidade da Região de Joinville

## Skills

### Languages

Swift • JavaScript • TypeScript • Golang • Python • C# • Ruby • Bash Scripting

### Databases

MongoDB • PostgreSQL • MySQL

### Other

CI/CD • Systems Design • MVVM • VIPER • Clean Architecture • Observability • OpenTelemetry • Mobile Platform Engineering • Cross-platform Architecture • Microservices • Low-Code Platforms • TDD • Integration Testing • MVC • Agile • Scrum

### Frameworks

UIKit • SwiftUI • React Native • AVFoundation • iOS • Android • Ruby on Rails • Django • XCTest

### Tools

Git • Fastlane • Jenkins • Tekton • Bitrise • Xcode • Android Studio • Firebase • Docker • REST APIs • GitHub

## Languages

|         |                      |        |            |            |                     |
|---------|----------------------|--------|------------|------------|---------------------|
| English | Professional Working | German | Elementary | Portuguese | Native or Bilingual |
| Spanish | Professional Working |        |            |            |                     |