

RENÉ FREIRE XAVIER

SUMMARY

Portfolio: www.renafx.com
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Github: github.com/renafx

With +6 years of Swift and Objective-C development, making native iOS apps is my passion! My drive is to enhance business products and my teammates' careers; that's why I mentor co-workers and why I am the Full iOS Professor at IESB College.

WORK EXPERIENCE

iOS Professor – College IESB 05/18 – Current

Educating on one of the top colleges of Brasília and guiding ten students' final projects from scratch to publishing their App in the store.

Regularly lesson planning to teach students the state-of-the-art technology. Thus, the classes' topics revolve about iOS development with Swift, SwiftUI, app architectures, third-party libraries, testing, and deploying.

Lead iOS Engineer – Altran 04/19 – Current

- Accelerated revenue growth by R\$ 1,5M and gained 30k more daily users over six months with the Sicoob Pay module's development and release. A module for instant payment/withdrawal by QR code reading for iOS and Android.
- Delivered a device and password registration experience entirely in the mobile App in a week, thus, providing access to +100k users struck by the coronavirus pandemic that could not go to the bank.
- Modernizing the code by integrating legacy Objective-C code with Swift and including Firebase notifications displaying new features on the dashboard resulted in a 15% increase of users keeping the App updated.
- Mentoring new team members and conducting admission interviews.

Lead Software Architect – Stefanini 03/18 – 04/19

My increased performance results culminated in being appointed to code and head a team of four engineers on "App Fortuna". An investment game for "Bank of Brazil", reporting directly to the business stakeholders. Besides building from scratch a gamified replica of the Brazilian financial market, my accomplishments were:

- Architected the app implementation with MVVM and the server using Node.js and MongoDB; thus, establishing the front-end and back-end for production use supporting over 600k simultaneous connections.
- Automated the deploy with a Continuous Integration stack using Docker, Portainer, and GitLab, which gave rise to the correction of over 50 bugs in production within the first three days after the first report, leading up to more user retention;
- Integrated our database with the legacy systems of the Bank of Brazil, which decreased by 400% the latency to get the updated stock market information;
- Added significant app features including chatbot, push notifications, user leaderboard, app onboarding with Core Animation;
- Onboarded new members, performed code review, and presented lectures to Stefanini Brasilia mobile developers.

Mobile Software Engineer – Stefanini 07/17 – 03/18

Enabled and deployed five Apps for our clients, with the main achievements being in "BB Investimentos", an investment App, and "Banco do Brasil", Brazil's major banking App.

- Amplified the number of users by implementing accessibility features within the "BB Investimentos" App.
- Expanded the modules for trading on the stock market, investing in mutual funds, and investing in treasury bonds on the iOS App, making the App to reach of over 5 million users maintaining more than 99% crash-free sessions.
- Recreated 20% of the "Banco do Brasil" app modules on both mobile platforms (Android & iOS) to update them to the company's new layout guidelines.

Full-Stack & Mobile Developer – CTS 07/15 – 07/17

Formulated and engineered "Correspondente Sicoob", an App from Sicoob Bank. This App yielded more business partners to operate as Sicoob's branches. Just by using the App on a tablet, businesses were fully operational as a branch. Also, improved the ATM Software from Sicoob bank with new functionalities and errors fixed.

EDUCATION

Higher Education Institute of Brasilia – IESB, 2016

Post-Graduation in Mobile Development & Design

University of Brasilia, 2014

B.S. in Computer Science

SKILLS

- | | | | |
|-----------------|------------------------|-------------|------------------|
| • Swift SwiftUI | • MVVM | • CocoaPods | • Core Animation |
| • Objective-C | • MVC | • Firebase | • CoreML |
| • NodeJS | • MVP | • Realm | • MapKit |
| • Kotlin | • Reactive Programming | • RxSwift | • CoreData |

ACTIVITY & AWARDS

Renafx.com - Independent 05/17 - Current

With more than ten apps released, freelancing brought solutions to 15k end-users, such as a voting system and a bus schedule system.

Speaker – NSBrazil Conference - Cocoaheads Brazil 11/19

Lectured about Core Data migrations at the largest iOS Devs conference in Brazil. Basing the presentation on a real case scenario in which the user-base fragmented in production. For the same app version, users were using different local storage schemes.

Machine Learning Researcher – University of Brasilia 03/18 – 03/20

Researched the existence of Brasilia's gas cartels by creating a model that analyzes a historical series of public data. Presented lectures and wrote blog posts. LAMFO is the preeminent Machine Learning academic research laboratory at the University of Brasilia.