Rodrigo Scroferneker Franzoi

SOFTWARE ENGINEER

Esch-sur-Alzette, Luxembourg

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Technical Skills

Programming Languages	Swift, Objective-C, JavaScript/TypeScript, C#, Python
iOS Development	SwiftUI, UIKit, Combine, PushKit, MapKit, Core Location, StoreKit
Development Tools	Xcode, Fastlane, CocoaPods, Swift Package Manager, Git, GitHub Actions, Jira, Confluence
Testing & Quality	Unit Testing, UI Testing, Snapshot Testing, XCTest, TestFlight, Crashlytics, Code Coverage
Architecture & Design	MVVM-C, Clean Architecture, SOLID Principles, API Integration, RESTful Services, OpenAPI
Languages	Portuguese (Native), English (Fluent)

Work Experience

Pictet-Technologies *Esch-sur-Alzette, Luxembourg*
SENIOR IOS ENGINEER *Oct. 2023 - PRESENT*

- Pioneered iOS development as the first iOS engineer, establishing best practices and mentoring colleagues on Swift development and iOS architecture patterns.
- Led refactoring initiatives for banking application transitioning from white label to custom solution, introducing MVVM-C architecture, dependency injection, and modular design patterns.
- Implemented comprehensive testing strategy including unit tests, UI tests, and snapshot tests to ensure code quality and maintainability, reducing tester overload by automating regression testing.
- Developed automated tests using XCUITest that covered 90% of the regression tests done by the QA, reducing manual testing effort and accelerating release cycles.
- Automated the integration of new translations, enabling faster localization and consistent rollout across supported languages.

Growin: Celfocus & Vodafone *Lisbon, Portugal*
SENIOR IOS ENGINEER *Oct. 2022 - Sep. 2023*

- Developed and enhanced features for Vodafone Smart App serving serveral users, focusing on CallKit, PushKit, SwiftUI, UIKit, ReactiveSwift, and CoreBluetooth integration.
- Led integration of Firebase Tools and Sourcery into the development stack to streamline analytics and code generation workflows.
- Collaborated with cross-functional teams to deliver app features and SDK updates, maintaining high stakeholder satisfaction and on-time delivery.

DSR Corporation *Porto, Portugal*
MOBILE ENGINEER *Feb. 2022 - Sep. 2022*

- Built digital cash wallet app using React-Native, improving user financial accessibility.
- Implemented iOS native features in Swift, seamlessly integrating with React-Native stack to enhance app performance and user experience.
- Integrated Hyperledger Aries and DidComm for secure communication and decentralized identity support, ensuring high security standards.

Agi - Bank Institution *Porto Alegre, Brazil*
MOBILE SOFTWARE ENGINEER I *Jun. 2021 - Jan. 2022*

- Developed and maintained payment features in Agibank's mobile app using Swift and SwiftUI.
- Implemented new screen flows, API integrations, and comprehensive testing strategies.
- Resolved critical bugs and performance issues, ensuring high app stability and user satisfaction.

Apple Developer Academy PUCRS *Porto Alegre, Brazil*
IOS DEVELOPER *Feb. 2015 - Dec. 2016*

- Developed iOS, tvOS, and watchOS applications in Swift and Objective-C.
- Managed projects using Scrum and Agile methodologies, ensuring timely delivery.
- Performed unit testing to maintain high-quality, reliable code.

Honors & Awards

Jun. 2019	**Winner**, A. Richard Newton Young Student Fellow Program	*Las Vegas, U.S.A*
Oct. 2016	**Winner**, UFRGS App Challenge	*Porto Alegre, Brazil*

Education

UFRGS(Universidade Federal do Rio Grande do Sul) *Porto Alegre, Brazil*
B.S. Computer Engineering *Feb. 2015 - Dec. 2021*

TU Kaiserslautern(Technical University of Kaiserslautern) *Kaiserslautern, Germany*
B.S. in Computer Science *Mar. 2020 - Feb. 2021*

Works

Papers

Logical and Physical Synthesis of a HF-RISCV Core for X-Fab 180nm Technology
Revista Jr de Iniciação Científica em Ciências Exatas e Engenharia (ICCEEg) *2019*

Synthesizing HF-RISCV Core for X-Fab 180nm *Pelotas, Brazil*
34th South Symposium on Microelectronics (SIM'19) *2019*

Mobile Apps

Loterias Brasil *App Store*
Mobile app for Brazil's most popular lottery. More than 160k downloads on AppStore. *2016*

Tabela TACO *Google Play & App Store*
Mobile version of a broadly studied Brazilian nutritional table used as the standard for food's nutrient composition. *2017*

Interests

Other Professional Interests UI/UX Design, A/B Testing
Outdoor Activities Running, Cycling, Trekking, Camping, Gym
Creative Hobbies Carpentry, Planting Vegetables, DIY Projects
Citizenship Brazilian and Italian