Ricardo Silva

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Experience

Senior iOS Developer, OutSystems – Remote, Portugal   **February 2022 – Present**

- Developed new 9 iOS SDKs, available as xcFrameworks, that are consumed by OutSystems plugins through Cocoapods, to build mobile apps.
- Maintained all the OutSystems' supported 25 plugins' iOS SDKs, compatible with all iOS versions since 13.0.
- Migrated existing SDK code from Objective C and UIKit to Swift and SwiftUI.
- Added Continuous Integration to the team's process by introducing tools such as Fastlane, SonarCloud, SwiftLint and Snyk.
- Improved code quality by introducing concepts such as code coverage and event-driven testing.
- Introduced Protocol-Oriented Programming to the team's development process.
- Acted as a mentor to more Junior Engineers in the team.

Senior iOS Developer, Siemens – Remote, Portugal   **November 2020 – January 2022**

- Acted as the Technical Lead of a 5 developers team.
- Developed for a white-label framework used for building 80+ public transportation iOS mobile apps spread across the world.
- Developed a Push Notification SDK using Swift, SwiftUI and The Composable Architecture.
- Improved the SDK's Accessibility features by 20%.

Systems Analyst, Ascendi – Porto, Portugal   **January 2016 – October 2020**

- Acted as the Technical Lead of a 3 developers team.
- Developed an iOS application to record road infrastructure inspection activities used by 30+ road inspectors.
- Introduced Swift into the app, reaching a high of ~25% of overall code coverage.
- Segregated 15% of a single Storyboard into multiple xibs and Swift files.
- Introduced unit and UI testing into the team's process.

Technical Consultant, Everis – Lisboa, Portugal   **October 2013 – December 2015**

- Migrated the Portuguese Social Security website's system from Windows to Java technologies.
- Implemented the website's new User and Permission Management and Representation Relationships Components.
- Built a Windows Incident and Task Management service for a bank's development teams.
- Supported a back-office application that allows configuration modifications and model creation for graphical statistics information.
- Configured a synchronisation mechanism with an email server and interpretation of Excel templates, that serve as the basis for ticket distribution within teams.

Education

Faculdade de Engenharia da Universidade do Porto – Master in Informatics and Computing Engineering   2013

Skills

Certifications: Professional Scrum Master I (June 2020 by Scrum.org)
Programming Languages: Swift, Objective C, C, JavaScript, Java, C#
iOS Libraries/Frameworks: Cocoapods, Swift Package Manager, Carthage, XCTest, Quick, Nimble, CoreData, Realm, UIKit, AVFoundation, Vision, SwiftUI, Combine, TDD/BDD, MVC, MVVM, TCA
Databases: SQL, Microsoft SQL Server, Oracle SQL Developer
Web Technologies and Modelling: XML, SOAP, REST, JSON, HTML, UML
Automation: Fastlane, Apache Maven, Jenkins/Hudson, TeamCity, SonarQube, Snyk, GitHub Actions, Git
Management Tools: Bugzilla, Redmine, Jira, Confluence, Pivotal Tracker, Trello, Asana
Communication Platforms: Slack, Microsoft Teams, Discord
Development Methodologies: Waterfall, Agile, Scrum, Kanban, Lean