

SUMMARY

Software engineer with more than 6+ years of experience coding iOS applications solving real-life problems. Expert in development focused on continuous code and quality improvement. I have worked with well organized teams on large, robust, and ambitious projects around the world, collecting quantitative and qualitative data to synthesize insights for best practices, recommendations, and strategies to achieve successful projects.

SKILLS

Languages: Swift, Objective-C, Python, Java, Kotlin, C++, C#, Go, JavaScript.
iOS: UIKit, SwiftUI, Combine, CoreAnimation, CoreGraphics, MapKit, CoreLocation, HealthKit, CareKit, StoreKit, ARKit, SpriteKit, WatchKit, CoreML, Storyboard, XIB, Auto Layout, AVFoundation, ARC, GDC, APNs.
Persistence: CoreData, CloudKit, Firebase, Realm, SQLite, UserDefaults.
Networking: REST, Websockets, URLSession, Alamofire, GraphQL.
Frameworks: RxSwift, RxCocoa, Kingfisher, SnapKit, CocoaPods, Carthage, SPM.
Testing: XCTest, XCUITest, Quick, Nimble, Unit and Integration Testing, TDD.
CI/CD: Git, GitHub, GitFlow, SwiftLint, Fastlane, Jenkins, Travis, CircleCI, Bitrise, JFrog.
Patterns: MVVM, MVC, VIPER, Redux, MVP, Design Patterns, Dependency Injection, Coordinator.
Tools: Xcode, Instruments, Postman, Jira, TestFlight, App Store Connect.
Principles: Clean Code, Clean Architecture, SOLID, DRY, KISS, Apple's Human Interface Guidelines, Agile: Scrum, Kanban, XP, Lean.
Other Platforms: Android, Flutter, React Native, Ionic, Unity, Node.js, Spring, Spark, Vapor, Microservices.

WORK EXPERIENCE

iOS Senior Engineer, Retail inMotion, Dublin (Ireland) May 2021 - Present

- Worked in +6 iOS world's largest airlines projects.
- Develop new features for iOS products. +15% of world flights use RiM Tech.
- Code Review supervision of new features for stable branch.
- Maintenance of Objective-C legacy code and refactoring architecture to Swift.
- Mentorship of junior devs.

iOS Senior/Tech Lead Engineer, Facephi Biometrics, Alicante (Spain) Aug 2018 - Jul 2020

- Coded +10 iOS apps and frameworks.
- Developed SelphID: iOS project based on OCR and biometric verification: matching and facial recognition, passive life test and document authenticity verification. +200MM users.
- Implemented PhiChat: chatbot in Swift for banking onboarding, integrating NLP and biometric recognition for +10MM users.
- Developed iOS app capable of obtaining passport or identity document data through NFC.
- Redesigned the architecture of the machine learning engine to obtain OCR for +200MM users.
- Created a new development methodology to improve the quality of the code by the department: Git, GitFlow, CI/CD, Artifactory. +30 user engineers.
- Managed and worked with teams of +5 iOS developers in Spain, Mexico, Argentina, Peru, Panamá and South Korea with agile methodologies.

Software Engineer (Internship), Aire Networks, Alicante (Spain) Feb 2018 - Apr 2018

- Created Machine learning OCR system based on Tesseract, OpenCV, Sci-Kit learn.
- Implemented Backend in Flask (Python) as REST connected with OCR system to receive ID card image and process the onboarding flow with this user data.
- Worked on iOS realtime chat application development.
- Coded iOS multimedia project for VOD consumption. +20K users.

Software Engineer (Internship), NITSNETS, Alicante (Spain) Sep 2016 - May 2017

- Developed FB Messenger based NLP chatbot with Node/Express to check route times, find best routes based in current geolocation, subscribe to route notifications and set up recurring alerts. +5K users.
- Created Android application to manage padel matches schedules, rankings, scores. +3K users.
- Coded iOS application with OCR to manage the data of recipes. +1k users.

CTO & Co-Founder, Wallfer University, Alicante (Spain) Nov 2015 - May 2017

- I lead the Technical Area at Wallfer, a native app focussed on replacing the bulletin boards in the Universities. +12K downloads in Feb 2018 being only at the University of Alicante.
- Worked on the development of features based on the behavior of social networks. Such as a timeline, stack tiles to match and meet people as Tinder, post and comments, user realtime chat, profile management, multimedia file management, permission and visibility, categories and groups.
- Awards and investment: Lanzadera Incubator (Garaje) Program 2018, Semifinalists in the South Summit Competition 2018. (South Summit) & European Award of Creativity and Social Entrepreneurship (INJUVE)

Software Engineer (Internship), everis, Barcelona (Spain) Dec 2013 - Jun 2014

- Developed SAP CRM for Barcelona council to manage driving fee system. +3MM users.
- Coded SAP custom multiplatform modules with ABAP4.
- Implemented SAP frontend views solutions.
- Worked on SQL management for SAP backend.

EDUCATION

Master's Degree in Development of Software for Mobile devices, University of Alicante, Spain. Sept 2019 - July 2022
Bachelor's Degree in Computer Science, University of Alicante, Spain. Sept 2014 - July 2019
Associate's Degree in Software Development, Pedralbes Institute (Barcelona), Spain. Sept 2012 - July 2014

OTHER SKILLS

Volunteering: Jury of Space Apps Challenge at NASA (2018) , Microsoft Student Partner at Microsoft (2014 - 2016).
Freelance: iOS Application for PhD Research of teaching staff at the University of Alicante (2019), iOS full stack project for Forensic Laboratory (2017).
Courses: Developing Applications for iOS at Stanford University (2020), Introduction to Deep Learning (2018), Big Data: Theoretical concepts and practical applications (2017) and Computer Vision with OpenCV and Python (2016) at University of Alicante.
Awards: HackForGood Local Winner and Best Use of Data at Telefónica (2017), Space Apps Challenge Local Winner, Global Nominee and Best Use of Data (2016) and People's Choice Winner (2015) at NASA.
Languages: Spanish (native), English (fluent).