Vitor Cesco
Senior Swift Engineer

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Summary

Senior Swift Engineer with 15+ years of experience delivering scalable iOS, macOS, visionOS, and watchOS solutions. Proven leadership in high-impact roles across industries, from startups to aerospace. Passionate about technology and Apple's legacy in our community.

Experience

Senior Swift Engineer

Formula.Monks   07/2022 - Present

- Architected and developed cross-platform Apple ecosystem projects, delivering solutions for iOS, macOS, visionOS, and watchOS using Swift and Python.

- Designed and implemented scalable systems leveraging SwiftUI, Combine, and async/await, improving app performance and code maintainability, whilst collaborating with product and design teams to align features with Apple's HIG and accessibility standards.

- Built and maintained CI/CD pipelines (Xcode Cloud, GitHub Actions), automating testing and deployment across multiple platforms.

Senior iOS Engineer and Tech Lead

BairesDev   03/2021 - 07/2022

- Led a team of 5 iOS engineers delivering mission-critical healthcare apps for a major California-based medical company.

- Mentored junior and mid-level developers, establishing best practices in Swift, UIKit, and modular code architecture.

- Coordinated with cross-functional teams (QA, backend, design) to deliver features on schedule and with high quality.

Senior iOS Engineer

Turtle AI   10/2018 - 03/2021

- Delivered custom iOS applications for multiple international startups across industries, adapting quickly to varied product visions and tech stacks.

- Collaborated directly with US-based clients and product teams, turning complex requirements into intuitive mobile experiences.

- Frequently served as technical lead on projects, guiding architecture decisions and mentoring other developers.

Senior iOS Engineer

Lets Events   07/2017 - 10/2018

- Designed, developed, and maintained the Lets Events iOS app, enabling event organizers to manage guest lists, check-in attendees, and scan QR codes seamlessly.

- Implemented local caching strategies, using CoreData, to ensure offline support and fast performance during live events.

- Built QR code scanning features using AVFoundation, enabling fast and reliable attendee verification.

Lead iOS and Web Full-Stack Developer

Tyton Holdings   12/2014 - 01/2017

- Developed 3 iOS applications, including universal binaries and Apple Watch extensions, enhancing cross-device user experiences.

- Architected and implemented features in Objective-C and Swift, integrating APIs, local storage, and background tasks.

- Participated in the planning and full development lifecycle of 4 web systems: 2 front-end applications using React.js and 2 back-end systems using Node.js and PHP.

Lead iOS Developer

Embraer   01/2014 - 12/2014

- Led the development of eQRH, a mission-critical Objective-C iOS application built in partnership with Embraer, one of the world's largest aircraft manufacturers.

- Collaborated with aviation engineers and senior pilots to translate highly specialized requirements into a compliant, user-friendly mobile solution, whilst complying with regulatory constraints in a high-stakes industry environment.

- Conducted code reviews of internal and third-party contributions, maintaining code quality and architectural consistency across teams.

Education

Bachelor of Computer Engineering

UNITAU - Universidade de Taubaté   12/2014

Majored in Software Engineering and Artificial Intelligence, with a strong foundation in systems architecture, algorithms, and embedded systems.

Scientific Research in Physics

ITA - Aerospace Technological Institute   12/2014

Conducted research on non-ionizing radiation as part of a scientific initiation program, including field measurements and data analysis in the Vale do Paraíba region.

Contributed to academic papers and collaborative studies in partnership with aerospace researchers.

Skills

‣ **Programing Languages** Swift, Python, Objective-C, React, Bash

‣ **Apple Ecosystem** Xcode Cloud, TestFlight, AppStore Connect

‣ **Other** Leadership, Arduino, UI/UX, Bluetooth, GPS

‣ **Languages** English (*fluent*), Portuguese (*fluent*), Spanish (*moderate*)