



Calogero Sanfilippo

Curriculum Vitæ

Professional experience

- 2024–now **Software Architect**, *Gucci*, Milan.
- Supporting cross-functional teams in designing software solutions for Gucci's replatforming initiative
- 2024–now **Security Champion**, *Gucci*, Milan.
- Acted as the teams' reference point for secure coding practices and compliance.
- 2021–now **Senior Software Engineer**, *Gucci*, Milan.
- Lead product developer of the Gucci App, driving the technical evolution of the Gucci mobile application, with a focus on delivering a more personalized user experience.
 - Modernized the UIKit codebase by incorporating SwiftUI for all the new features of the app, adopting the principles of Clean Architecture and MVVM.
 - Introduced Bitrise CI/CD platform.
 - Introduced Kotlin Multiplatform (KMP) to enable seamless code sharing across iOS and Android, improving development efficiency and consistency across platforms.
- 2017–2021 **Manager**, *Accenture*, Milan.
- Lead of the Mobile App development team (25 developers distributed in 5 countries).
 - Architect of the mobile apps of a large-scale international fashion retail and their relative ecosystem.
 - Modernized the UIKit codebase by incorporating SwiftUI for all the new features of the app, adopting the principles of Clean Architecture and MVVM.
 - Defined coding standards and CI/CD pipelines on Azure DevOps.
- 2015–2017 **Senior Consultant**, *Reply*, Milan.
- Led the Mobile App Development team in delivering a multi-platform (iOS/Android) smart home application for the home gateway of a major telco, adopted across multiple European markets.
 - Directed the implementation of a full-featured SIP client, enabling reliable real-time communication.
 - Engineered robust connectivity through low-level API integration with home gateway hardware, ensuring stability and performance.
 - Coordinated cross-functional teams to deliver scalable, market-specific features tailored to regional requirements.
- 2013–2015 **Senior iOS Developer**, *deltatre S.p.A.*, Turin.
- Led iOS development for Diva, a data-driven sports video player based on HLS, powering global events such as the Olympic Games and FIFA World Cup.
 - Delivered seamless integration of live match statistics with video playback, boosting viewer engagement for major broadcasters including BSkyB, CBC, and NHK.
 - Solved complex challenges in metadata handling and real-time data–video synchronization, ensuring a smooth and immersive user experience.
- 2012–2013 **iOS Developer**, *Reply*, Turin.
- Designed and developed a second-screen television application for a major telco in Italy, featuring a custom SMB-based streaming architecture, non-native codec support, and strict adherence to performance, scalability, and UX standards.
 - Designed and developed Magnet Enterprise, an iPad-based project management app for Topcon Tierra, delivering an intuitive interface for tasks, calendars, and maps.

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🌐 <https://calogerosanfilippo.it>

2011–2012 **Junior Java EE Developer**, *Reply*, Turin.

J2EE development of Up Mobile, an innovative mobile payment platform for Banca Sella.

- Designed and implemented a robust, scalable payment system architecture tailored for mobile environments.
- Ensured secure transaction handling and high system reliability under real-world usage conditions.
- Delivered a future-proof solution aligned with Banca Sella's digital innovation strategy.

Education

April 2011 **M.Sc. in Computer Science & Engineering**, *Politecnico di Torino*.

Graduated *summa cum laude*

April 2008 **B.Sc. in Computer Science & Engineering**, *Università degli Studi di Palermo*.

Graduated *summa cum laude*

Technical Skills

Languages Specialized in native mobile languages (Swift, Objective-C, Kotlin), complemented by foundational skills in TypeScript, Python and Java

Mobile Specialized in Native iOS development (UIKit/SwiftUI), with Android experience and basic knowledge of Flutter.

CI/CD Bitrise, Azure DevOps, GitHub Actions.

Paradigms Deep understanding of Object-Oriented and Functional Programming, applied to robust and maintainable codebases.

Architecture Specialized in designing and evolving complex mobile architectures, ensuring scalability, performance, and long-term maintainability, following the principles of Clean Architecture and MVVM.

Managerial skills

Proven track record in leading multicultural teams across diverse geographies, fostering collaboration and shared success.

Strong adaptability, demonstrated through thriving in fast-paced and evolving work environments.

Solid experience in building and nurturing customer relationships, ensuring trust and long-term engagement.

Committed to mentorship, guiding peers and junior colleagues to achieve growth and excellence.

Promoted secure development practices, compliance awareness, and integration of automated security checks.

Open Source Projects

aral An XML push parser for Kotlin Multiplatform - <https://github.com/csanfilippo/aral>

swift-sgp4 A Swift package to compute satellite positions from two-line elements - <https://github.com/csanfilippo/swift-sgp4>

Known Languages

Italian Mother tongue

English Fluent (C1)