

SEBASTIÁN CARDONA HENAO

Mobile Software Engineer | Team Lead | Flutter, Android & Kotlin Multiplatform

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PROFESSIONAL PROFILE

Results-driven Mobile Software Engineer and Team Lead with 5+ years of end-to-end product experience, currently leading a Flutter banking application for Banco BPI and previously co-leading the architecture of an Android library for Banco Santander Particulares. Consistent track record of shipping production-ready software for top-tier European banking clients (Banco Santander, Banco BPI), public healthcare (Hospital Vall d'Hebrón) and enterprise ERP / retail products. Strong technical foundation in Clean Architecture, MVI, BLoC and Domain-Driven Design, combined with proven leadership skills: direct line management, mentoring, sprint ownership, code review, and resolution of complex legacy and technical debt in highly regulated environments. Proactive learner, low-ego collaborator and trusted technical partner across business, product and engineering teams.

KEY HIGHLIGHTS

- **Team Lead** on two enterprise banking projects (Banco BPI as sole Team Lead, Banco Santander Particulares as co-Lead) — sprint planning, technical decisions, mentoring and code reviews.
- **Multi-stack mobile engineer** — Android (Kotlin/Java), Flutter (Dart) and Kotlin Multiplatform (KMP) — applying the right architecture to each platform: BLoC for Flutter, MVI for native Android and KMP.
- **Architecture-team member at Banco Santander:** identified and removed long-standing technical debt across legacy code, improving maintainability and reducing risk for future feature delivery.
- **Hybrid native ↔ web integration specialist** — designed WebView layers with JavaScript bridges that enable legacy (Cordova) and modern (Flutter/Android) apps to coexist in production without duplicated maintenance.
- **Cross-industry delivery:** four enterprise mobile projects in 3 years spanning banking, healthcare (cardiac arrest assistance for Hospital Vall d'Hebrón), analytics integration and retail ERP.
- **Ships side projects to completion** — a Kotlin Multiplatform social app (Food Rats) and a Flutter POS fully adapted to Spanish VERIFACTU legislation — demonstrating ownership beyond paid work.
- **Bilingual:** Spanish (native), English (professional working proficiency).

TECHNICAL STACK

Languages: Kotlin, Dart, Java

Platforms: Android (Native), Flutter, Kotlin Multiplatform (KMP)

Architectures & Patterns: Clean Architecture, MVI, BLoC, DDD (Domain-Driven Design), MVP, MVVM, SOLID

Native ↔ Web Integration: WebView, JavaScript Bridges, Hybrid App Architectures

Methodologies & Tools: Agile / Scrum, Git, Code Review, CI/CD, Technical Debt Management

Domains: Banking, Fintech, Healthcare, Retail / Point of Sale, ERP

WORK EXPERIENCE

Plexus Tech S.L. — Mobile Software Engineer / Team Lead

May 2023 – Present | 3 years | Alicante, Spain

Selected to lead and contribute to four enterprise mobile projects, three of which serve top-tier European banking clients.

Banco BPI — Team Lead, Flutter Developer (Current)

- Lead a team of 2 developers, owning sprint planning, code reviews and key technical decisions for a Flutter-based banking application.
- Architected and integrated a fully interactive WebView layer that bridges native device capabilities and emulates the behavior of a legacy Cordova application, allowing both apps to coexist in production with minimal duplicated maintenance.
- Stack: Flutter, Dart, WebView, JavaScript Bridges, Clean Architecture, BLoC.

Banco Santander Particulares — Team Lead, Architecture & Support Engineer

- Co-led the development of a WebView library with JavaScript bridges, significantly improving communication between the web layer and the native Android application.
- Member of the Architecture team: identified and resolved critical technical debt across legacy code, improving maintainability and long-term scalability.
- Acted as part of the support team, diagnosing and patching critical production bugs in the Android application.
- Stack: Android, Kotlin, Java, WebView, JavaScript Bridges, Clean Architecture, MVI.

Banco Santander Empresas — Android Developer

- Integrated end-to-end analytics tracking (Tealium) into the corporate Android application, enabling data-driven decision making across the business.
- Stack: Android, Kotlin, Clean Architecture, MVI.

Hospital Vall d'Hebrón — REANIMATE — Android Developer

- Designed and developed an Android application that assists physicians during cardiac arrest events, tracking real-time action timings and producing detailed technical records that feed directly into patient clinical histories.
- Collaborated closely with medical staff to translate clinical requirements into a reliable, time-critical and audit-ready tool.
- Stack: Android, Kotlin, Clean Architecture, MVI.

Query Informática S.L. — Android Developer

May 2021 – May 2023 | 2 years

- Developed and maintained Android applications for a proprietary ERP product suite, delivering features deployed across multiple client environments.
- Contributed to the design and evolution of a product-oriented Android codebase, collaborating closely with the in-house product team.
- Stack: Android, Java, Kotlin, MVP, MVVM (legacy product codebase).

PERSONAL PROJECTS

Food Rats — Kotlin Multiplatform (KMP)

- Built a closed-group social application (concept inspired by GymRats) where members share meal photos and rate one another on how “professional chef” each dish looks.
- Stack: Kotlin Multiplatform (KMP), Clean Architecture, MVI.

TPV with VERIFACTU — Flutter

- Designed and developed a cross-device Point of Sale (POS) application fully adapted to the Spanish VERIFACTU legislation, targeting retailers of any size.
- Stack: Flutter, Dart, Clean Architecture, BLoC, DDD (Domain-Driven Design).

EDUCATION

Specialization in Artificial Intelligence and Big Data — *Higher Level Vocational Training (Especialización de Grado Superior), Spain*

Multi-Platform Application Development — *Higher Level Vocational Training (Grado Superior en Desarrollo de Aplicaciones Multiplataforma), Spain*