



Juan Silva

ANDROID ENGINEER

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Full-cycle mobile engineer with 10 years shipping production Android apps. Specialised in architecture modernisation (MVP → MVVM), fintech (payments, authentication, account security) and cross-platform development with Kotlin Multiplatform. Lead Android Engineer at Sitka, owning architecture and technical direction. Mentored engineers at Vanguard and HSBC / First Direct. Independently shipped a KMP application and an open-source project.

EXPERIENCE

Lead Android Engineer

Jul 2025 – Present

Sitka · London, UK

Responsible for architecture, feature development, CI/CD, releases, performance and long-term technical direction. Core product uses BLE to communicate with Bluetooth beacons for indoor positioning and wayfinding — owning the beacon scanning, ranging and map rendering layer. Kotlin throughout, with Jetpack Compose, Clean Architecture and Hilt, covered by unit, integration and UI tests.

Android Engineer

Dec 2023 – Jul 2025

Vanguard · London, UK

UK mobile app — authentication, app architecture, user experience, monitoring and feature development. Integrated Auth0 (OAuth2) login, moved modules from MVP to MVVM with Clean Architecture, and introduced Jetpack Compose for new screens. Redesigned in-app chat for 24/7 customer support and replaced device-bound auth with a PIN-based system. Mentored engineers on the team.

Android Engineer

Oct 2023 – Jan 2024

UsTwo / Financial Times · London, UK

Developed a Kotlin Multiplatform analytics library for Android, iOS and Web, sharing event types and validation across platforms and cutting analytics boilerplate by 80%. Improved CI/CD and code architecture for the Financial Times Android app, setting clear boundaries between legacy and new modules for a 50+ person mobile team.

Senior Android Developer

May 2021 – Jun 2023

HSBC / First Direct · London, UK

Built the Transaction Enrichment and Pulse Dashboard libraries as standalone, flag-gated Android modules with unit and UI test coverage. Integrated international payment flows end to end — payment initiation, confirmation and error handling. MVVM, Clean Architecture, Hilt and Room, with RxJava in legacy code. Mentored engineers on the team in an Agile Scrum environment.

EARLIER ROLES

Android Developer

Mar 2020 – Apr 2021

Virgin Money · Newcastle, UK

Introduced MVVM, added SafetyNet, BiometricPrompt and Google Authenticator to the login module, and reached 80% Kotlin test coverage.

Android Developer

Jan 2019 – Mar 2020

Wipro · Uxbridge, UK

Moved the app from MVP to MVVM in a team of five, using TDD with JUnit.

Android Developer Athlon International · Amsterdam, NL

Aug 2017 – Dec 2018

Android Developer Ding · Dublin, IE

Dec 2015 – Jul 2017

PERSONAL PROJECTS

Light Converter

2026

Open source · github.com/lightScout/light-converter

Batch background removal that runs entirely in the browser — no upload, no account. BiRefNet on WebGPU with a WASM fallback and guided-filter edge refinement.

Astro · Svelte · TypeScript · Three.js · onnxruntime-web

Cityscape City Puzzles

2026

Live on App Store & Google Play

Single KMP codebase owning the game engine, puzzle state machine, persistence and IAP abstraction. Native UI via Compose Multiplatform on Android and SwiftUI on iOS.

KMP · Compose · Coroutines · Koin · Firebase · RevenueCat

EXPERTISE

Kotlin · Java · Swift · Flutter
KMP · KMM · Compose Multiplatform
Jetpack Compose · XML · SwiftUI
MVVM · MVI · Clean Architecture
Coroutines · Flow · Room DB
Hilt · Dagger2 · Koin
Firebase Auth · Auth0 · Biometrics
Unit, Integration & UI Testing
CI/CD · Sentry · Splunk
Design Systems · Mobile Architecture
Native Animation · Lottie · Rive

EDUCATION

MEng Computer Engineering

NOVA University Lisbon (FCT NOVA)
2012 – 2015

Diploma, IT & Economics

Dona Luísa de Gusmão Professional
School
2008 – 2011

LANGUAGES

Portuguese	Native
English	Full Professional
Spanish	Intermediate
German	Elementary

REFERENCES

David Neal

CTO, Sitka

Nick Hegarty

Tech Principal, UsTwo

Ganesh Pachpind

Client-Facing Digital Delivery, Vanguard

Adrian Smith

Head of Engineering, First Direct