NORMAN SÁNCHEZ

Senior Software Engineer | Mobile Architect | Technical Leadership | Generative AI

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PROFESSIONAL SUMMARY

Senior Software Engineer and Mobile Architect with 9+ years of experience building and scaling production software across fintech, banking, energy, retail, and enterprise environments. Strong background in Android/Kotlin and iOS/Swift, mobile architecture, authentication, payments, third-party integrations, engineering leadership, and product delivery. More recently focused on Applied and Generative AI, designing enterprise architectures that combine local and commercial LLMs, MCP servers, organizational knowledge, and automation under corporate privacy and security constraints.

CORE EXPERTISE

Mobile & Architecture: Android, Kotlin, Jetpack Compose, Coroutines/Flow, Swift, SwiftUI, MVI, MVVM, Clean Architecture, Modular Architecture, System Design
AI Engineering: Generative AI, Applied AI, LLMs, Local AI, MCP, Ollama, MLX, AI workflows, process automation
Platform & Product: Identity Management, Authentication, REST APIs, SDK Integration, Digital Wallets, Payments, Analytics, Design Systems
Leadership: Technical Leadership, Engineering Management, Team Building, Hiring, Mentorship, Product Thinking

PROFESSIONAL EXPERIENCE

Accenture México | Developer Associate Manager / AI Lead **Oct 2024 - Present**

Mexico

- Architected and implemented an enterprise Generative AI platform integrating local and commercial LLMs, MCP servers, specialized tools, and organizational knowledge, including local-first workflows for privacy-constrained corporate environments.
- Led critical engineering initiatives for the Shell Energy application in the U.S. market; served as the sole developer responsible for IDM across Sign In and Sign Out, restructuring authentication services into a unified, scalable architecture.
- Designed and delivered integrations with Fuel Rewards, Epsilon, T-Mobile, and Braze; developed Offers, Rewards, Analytics, transaction tracking, and other third-party API/SDK capabilities supporting engagement and product evolution.
- Became a primary technical reference within the Americas team for adoption of the global Design System developed by the external team in Spain.
- Led the Mobility Power Apps initiative and designed Mentor Connect, an internal mentorship product supporting employee development and future leadership preparation.

Altimetrik | Senior Android Developer - PayPal **Jul 2024 - Oct 2024**

Mexico

- Contributed to the PayPal Wallet integration for contactless payments, connecting the PayPal wallet with the device wallet and supporting backend and hardware integration for functionality released in version 1.0 of the main PayPal application.

RUUT | Founder / Tech Manager **Aug 2022 - Mar 2024**

Mexico City, Mexico

- Led a multidisciplinary engineering team of 10+ people, conducted technical interviews, and established development, QA, and bug-analysis processes.
- Architected mobile engineering practices across Android and iOS; contributed to products reaching 55K+ iOS downloads, 31K+ Android downloads, and 16K+ active accounts.
- Implemented event analysis with AppsFlyer to support product and marketing initiatives, including lead-generation strategies.

RUUT | Founder / Tech Lead **Jan 2022 - Aug 2022**

Mexico City, Mexico

- Built the Android MVP from the ground up for a fintech investment platform, including authentication, onboarding, stock trading, investment advisory, news, portfolio management, user profiles, and legal flows.
- Integrated INCODE, Intercom, and Alpaca Broker to support identity flows, customer engagement, and stock buying/selling in the U.S. market; recruited the initial Android, iOS, and Backend engineering team.

PROFESSIONAL EXPERIENCE - CONTINUED

Globant | Android Developer **Jun 2021 - Jan 2022**

Mexico City, Mexico

- Developed Android solutions for Prisma Point of Sale (LaPos) and contributed Kotlin API/Android SDK capabilities for Disney ActiveX and SpotOn initiatives.

Citi | Backend Developer / Software Analyst **Mar 2021 - Jun 2021**

Mexico City, Mexico

- Developed backend logic and analyzed new requirements for the RAM mobile recharge project for Telcel, while supporting Android feature delivery when cross-functional engineering support was required.

Nova Solutions | Android / iOS Developer **Mar 2020 - Jul 2020**

Mexico City, Mexico

- Built Android and iOS SDK adoption applications from scratch for Banco Sabadell using Banxico's CoDi payment technology, Kotlin/MVVM, Swift/MVC, and mobile data-security practices.

ix Agency | Android / iOS Developer **Nov 2019 - Mar 2020**

Mexico City, Mexico

- Developed banking and payment applications integrating Banxico's CoDi technology for Banco Famsa, Consubanco Pay, and Moniic using Kotlin, MVP, mobile security, and data encryption; also supported iOS development.

Areté Software | Lead Android Developer **Aug 2017 - Nov 2019**

Mexico

- Led Android development for enterprise and government mobility products, including Mobility 3.5/3.7/4.0 and A.R.M.S., using Kotlin, Dependency Injection, MVP, and Repository patterns.
- Expanded beyond mobile into AWS Lambda/Python backend services, Angular frontend modules, and UX/UI coordination for A.R.M.S. and Mobility.

Centro Nacional de las Artes | Circuit Design Engineer - Intern **Mar 2016 - Oct 2017**

Mexico City, Mexico

- Developed electronics and robotics projects within the Electronic Interfaces and Robotics Workshop, establishing an engineering foundation before transitioning into software development.

EDUCATION

Instituto Politécnico Nacional | Bachelor of Engineering - Electrical, Electronics and Communications Engineering **2012 - 2016**

Instituto de Computación Administrativo | Technical Degree - Microcomputers & Graphic Design **2009 - 2011**

LANGUAGES

Spanish - Native/Bilingual | **English** - Professional Working Proficiency | **Portuguese** - Elementary