

Alejandro Campos Palacios

Senior Software Engineer — Mobile Developer (Flutter)

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[LinkedIn Profile](#)

[GitHub](#)

[Portfolio](#)

Academic title

Information Sciences Engineer

University of Information Science (UCI)
2011-2017

Work experience

CURRENT POSITION

Functional Analyst / Angular Developer at Inycom — Ibercaja Project

Zaragoza, Spain (Remote)
February 2026 — Current

Fullstack Training & Best Practices — Nunsys / Inycom

Internal training program covering Fullstack development and best practices, led by the Nunsys team (part of Inycom group).
2025 (October) — 2026 (January)

Senior Flutter Developer at Inycom — MoraBanc Project

Canarias, Spain
2022 (December) — 2025 (October)

Developer FreeLancer by own count

2022 (June – December)

Developer FreeLancer for Almendares Couriers Solutions

2021 – 2022 (June)

Computer Science / Developer Specialist

FORTES, center of technologies for training
2021 – 2022 (January)

Computer Science / Developer Specialist

CESOL, center of free solutions
2017 – 2020

Project experience

Inycom / Ibercaja

Functional Analyst / Angular Developer — Ibercaja Project
Spain / Remote — Feb 2026 – Current

Functional analysis and frontend development for Ibercaja, one of Spain's leading financial institutions. Working on Angular-based microfrontend architecture following Clean Architecture principles, collaborating closely with business and technical teams to deliver scalable and maintainable solutions.

Tech stack: Angular, TypeScript, Nx, Clean Architecture, Microfrontends, Git.

Autonomous AI Agent — Personal Portfolio

AI Agent integrated into alcampospalacios.com
Personal project — 2025 – Current

Design, development, and production deployment of an autonomous AI agent integrated into my personal portfolio. The agent is capable of answering questions, navigating context, and interacting with users intelligently, built following best practices for agentic systems: tool use, memory management, prompt engineering, and scalable cloud deployment.

Tech stack: Python, FastAPI, Anthropic API (Claude / MiniMax), Ollama (Qwen), LangChain, Docker, VPS deployment, REST APIs.

Key areas of knowledge:

- Autonomous agent architecture: tool calling, memory, and multi-step reasoning
- Prompt engineering and system design for production AI systems
- Integration of LLMs via API: Anthropic API (Claude) through MiniMax, and local open-source models (Qwen) running with Ollama
- End-to-end deployment: containerization, reverse proxy, CI/CD, monitoring
- Secure handling of AI APIs in production environments

Inycom / MoraBanc

Senior Mobile Developer — MoraBanc Project
Spain / Remote — Dec 2022 – Oct 2025

Official banking app for MoraBanc (Android / iOS). Critical system requiring performance, high security, and reliability. Worked alongside backend, QA, design, and product teams.

Tech stack: Flutter, Dart, BLoC, Freezed, REST APIs, Shared Preferences, Firebase, Push Notifications, Git.

Challenges:

- In 2022, together with other colleagues, I started one of the biggest challenges I have worked on to date: the development and improvement of MoraBanc's digital banking mobile application, a platform that allows users to manage their accounts, cards, savings, investments, and insurance quickly and securely. The app offers features such as access via fingerprint or username/password, balance and transaction inquiries, national and international transfers, and credit card management. The development of this application was a constant challenge; for example, in some modules like Investments, it was necessary to perform reverse engineering on the previous app in native Android / Swift to understand its functionality and replicate the logic in Flutter.

Key achievements:

- Optimization of the app, business logic, and graphical resources. - Continuous review. Improving end-customer satisfaction.

TDD and Clean Architecture

A comprehensive collection of templates to scaffold Flutter applications following Clean Architecture principles with Test-Driven Development (TDD) practices.

Tech stack: TypeScript, Flutter, Vsce

Main goal:

These templates implement Uncle Bob's Clean Architecture adapted for Flutter development, following these principles:

- Separation of Concerns: Each layer has a single responsibility
- Dependency Inversion: Dependencies flow inward, toward business logic
- Testability: Every component can be unit tested in isolation
- Scalability: Easy to maintain and extend as the project grows
- Feature-First Organization: Code organized by business features

See the extension in action

Pick&Pack

Application for collection products

Tech stack: Flutter/ Bloc/ Sqflite / Scandit / Zebra / Api_request / git / github /actions / google-play

Developer/ Business Process Analyst / System Analyst / Data Architect / software tester / Software support and maintenance – Almendares Couriers Solutions.

TKC

TKC (Taking Control) Application for business inventory management

Tech stack: Flutter/ GetX / Sqflite / Scandit / Api_request / git / github /github-actions / google-play

Developer/ Business Process Analyst / System Analyst / Data Architect / software tester / Software support and maintenance – Almendares Couriers Solutions.

Flex

Application for delivery packages

Tech stack: Flutter/ Bloc/ Sqflite / Scandit / Api_request / git / github

Developer/ Business Process Analyst / System Analyst / Data Architect / software tester / Software support and maintenance – Almendares Couriers Solutions.

Nova (Operating System)

Application for delivery packages

Tech stack: Linux / gnome-shell / bash / javascript / git / gitlab.

Developer/ Business Process Analyst / System Analyst / Data Architect / software tester / Software support and maintenance - University of Information Science (UCI).

Management System for Teaching Secretaries Xauce Akademos for MINED.

Application to change the manual process of education registers in Cuba.

Tech stack: Angular / typescript / ng-zorro / html / css / git / gitlab.

Developer/ Business Process Analyst / System Analyst / Data Architect / software tester / Software support and maintenance - University of Information Science (UCI).

Languages

Spanish
Native competence.

English
Professional proficiency.

Main skills

Main experience in development: Flutter, Dart, Angular, TypeScript, Test, Git, Firebase.

With extensive mastery of: CI/CD (Codemagic), Deployment on google and apple store, Integrated payments in app with Google pay and Apple pay

Key tools and architectures: Paypal, Braintree, Stripe, Github, SOLID Principles, Clean Architecture and TDD, Nx, Microfrontends.

In my free time playing with: Docker, MINIO, Fastapi, Next.js, VSCode Extensions

AI & Autonomous Agents: LLM integration via Anthropic API (Claude / MiniMax) and local open-source models (Qwen + Ollama), autonomous agent architecture, tool use & memory management, prompt engineering, production deployment of AI systems.

Articles written

▶ Flutter supabase google oauth step by step - Flutter + Supabase + Google Oauth + Paso a Paso | [Show](#)

▶ Encapsulando validaciones en Flutter: un enfoque limpio | [Show](#)

Books readed

▶ Clean Mobile Architecture – Petros Efthymiou

▶ Clean Architecture – Uncle Bob