

# Camilo Orozco

## Software Engineer | Senior iOS Developer

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### PROFILE

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Software Engineer with over 10 years of experience developing and leading mobile and web applications for iOS, Android, and cross-platform environments.

Strong background in Swift, SwiftUI, Objective-C, and Node.js, with full-stack experience spanning frontend frameworks (React, Angular, Vue) and databases (SQLite, MySQL, PostgreSQL, MongoDB).

Proven track record delivering scalable architectures (VIPER, MVVM), API integrations, and media-streaming apps (radio, livestream, video).

Enthusiastic about Artificial Intelligence (AI) and its integration in modern software products – passionate about exploring machine learning models, automation tools, and AI-driven user experiences to enhance product performance and innovation.

### WORK EXPERIENCE

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#### CharlieApps LLC, Senior iOS Developer

05/2017 – 06/2025

- Lead iOS engineer for LaMusica.com, a large-scale multimedia platform with over 250K active users per month, available on iPhone, iPad, Apple TV, and Apple Watch.
- Directed the migration from Objective-C to Swift, modernizing legacy codebases and improving app performance, maintainability, and scalability.
- Developed and maintained features including real-time messaging, push notifications, livestream radio and video playback, and dynamic playlist management.
- Integrated third-party SDKs and ad services such as Google Ads, AdsWizz, and Firebase for analytics, tracking, and monetization.
- Collaborated closely with cross-functional teams (designers, backend engineers, QA) to define and deliver new product features under agile workflows.
- Managed bug triage and release cycles, ensuring app stability and smooth performance across multiple Apple platforms.
- Contributed to architecture decisions using VIPER and MVVM, ensuring clean separation of concerns and efficient testing.

Tech: Swift, SwiftUI, Objective-C, Node.js, React.js, PostgreSQL, MongoDB, CoreData, Firebase, AdsWizz SDK, AVPlayer

#### Somo Goba!, Senior iOS Developer

09/2022 – 01/2023

- Developed a high-performance iPad application focused on document management and accessibility for enterprise clients in the financial sector.
- Collaborated within a cross-functional team of 6 iOS Developers (2 Leads, 3 Seniors, 1 Junior), along with Product Managers and a UX Designer, ensuring seamless delivery under agile methodology.
- Designed and implemented key modules such as Products, Resource Library, Burger Menu, Meeting Folders, and Favorites, enhancing navigation and usability.

- Built the Edit Folder functionality and integrated RESTful APIs for dynamic content synchronization.
- Applied modern Swift paradigms including Async/Await, Actors, and Tasks to handle concurrent operations efficiently.
- Implemented background synchronization for large document transfers and local persistence using CoreData.
- Built the UI entirely with SwiftUI, leveraging PhotoKit, PDFKit, Combine, and SwiftLint for reactive design and code consistency.
- Integrated Firebase Crashlytics, Analytics, and Push Notifications to improve app stability and track user engagement.
- Performed code reviews (PRs), mentored junior developers, and collaborated with backend and design teams for cohesive end-to-end delivery.

Tech: Swift, SwiftUI, Combine, CoreData, Async/Await, REST API, Firebase, PDFKit, PhotoKit, SwiftLint, MVVM

### **Grupo Ecodev SAS, Senior Software Developer**

09/2015 – 11/2021

- Led end-to-end development of mobile, web, and e-commerce platforms for diverse clients in retail, logistics, and corporate sectors.
- Designed and implemented hybrid mobile apps (Ionic, Swift, Objective-C) for internal management systems, sales tools, and warehouse operations.
- Migrated large-scale legacy PHP systems to a Node.js + AngularJS + PostgreSQL stack, improving performance, maintainability, and security.
- Developed multiple custom e-commerce solutions, integrating payment gateways, order tracking, and admin dashboards with responsive front-ends (VueJS, ReactJS, Angular).
- Built RESTful APIs and microservices for user authentication, inventory control, and reporting systems.
- Created and deployed administrative dashboards with real-time analytics, automating reporting and KPIs for client operations.
- Collaborated closely with UI/UX designers to ensure pixel-perfect interfaces and optimized mobile responsiveness.
- Implemented modular architectures and reusable components, reducing new-project delivery time by more than 40%.
- Mentored junior developers and participated in code reviews, enforcing best practices in Git workflows and clean coding.
- Oversaw cloud deployments and CI/CD pipelines using Docker and GitHub Actions for web and mobile environments.

#### **Key Projects:**

- Development of several online store platforms with product catalogs, dynamic pricing, and integrated payment systems.
- Implementation of inventory management apps with barcode scanning and offline synchronization.
- Design of internal corporate dashboards for performance tracking and user management.

Tech: Swift, Objective-C, Node.js, Express, AngularJS, VueJS, ReactJS, Ionic, PHP, MySQL, PostgreSQL, MongoDB, REST API, Docker, Git

### **Duana CIA & LTDA, Software Engineer**

05/2013 – 09/2015

- Led the technological modernization of DUSOFT, the company's core inventory management platform, migrating from legacy systems to a modern architecture based on Node.js and AngularJS.
- Designed and implemented RESTful APIs to connect the web and mobile ecosystem, improving performance, scalability, and data synchronization.
- Developed native Android and iOS applications (Objective-C, Java) enabling mobile access to inventory operations, warehouse management, and reporting.
- Integrated real-time communication modules using Socket.IO for chat, notifications, and multi-user synchronization.

- Built web-based dashboards for analytics and inventory tracking, providing real-time insights for clients and administrators.
- Collaborated with multidisciplinary teams to ensure seamless UX, high availability, and alignment with evolving client requirements.
- Participated in backend optimization and data modeling, improving query efficiency and system reliability.

Tech: Node.js, AngularJS, Socket.IO, Objective-C, REST API, PostgreSQL, HTML, CSS, JQuery, Bootstrap

#### **VOV Solutions, Junior Software Developer**

09/2012 – 05/2013

- Developed and maintained web and mobile applications for Android, iPad, and iOS, ensuring performance and scalability across devices.
- Built backend APIs using Node.js to support data exchange and synchronization between mobile and web platforms.
- Implemented real-time chat features with Socket.IO and ActionScript 3 (AS3) for interactive communication between users.
- Created and maintained web dashboards using Sencha ExtJS, improving UX and system responsiveness.
- Developed and deployed Ruby on Rails applications for internal tools and client-facing portals.
- Provided post-deployment support, debugging, and continuous improvement for existing mobile apps.

Tech: Node.js · Socket.IO · Sencha ExtJS · ActionScript 3 (AS3) · Ruby on Rails · Objective-C · Java

#### **SQL Simens, Junior Software Developer**

02/2011 – 09/2012

- Developed and maintained modular health information systems (SIMENS) used for clinical and administrative management.
- Designed and implemented web applications using PHP, HTML, CSS, and JavaScript to improve internal workflows and reporting efficiency.
- Created and optimized PostgreSQL stored procedures (PL/pgSQL) to enhance database performance and ensure data integrity.
- Collaborated with senior engineers in system maintenance, debugging, and documentation for long-term platform stability.
- Supported integration of web-based health modules with existing information systems across multiple departments.

Tech: PHP · HTML5 · CSS3 · JavaScript · PostgreSQL · PL/pgSQL

#### **Palmira Clinic S.A.S, Internship Software Developer**

05/2010 – 02/2011

- Completed a professional internship focused on web and intranet application development for internal operational systems.
- Built and maintained content management platforms (CMS) using Joomla for both the corporate website and internal intranet.
- Designed and implemented a Management Inventory System for the IT department to improve tracking and asset control.
- Developed training and performance indicator modules to support the Occupational Training area and streamline internal reporting.
- Assisted in database management and system updates, ensuring data integrity and operational continuity.

Tech: PHP · MySQL · PostgreSQL · HTML5 · CSS3 · JavaScript · Joomla CMS

## PROJECTS

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### SpyWinners

01/2025

- Founded and led SpyWinners, an AI-powered SaaS platform that helps digital entrepreneurs and dropshipping sellers discover and analyze winning products in real time across Latin America.
- Engineered a scalping and data intelligence system that monitors product trends, pricing, and performance from Dropi, one of the region's largest dropshipping platforms, operating in Colombia, Mexico, Chile, Peru, Ecuador, Paraguay, and Bolivia.
- Designed and developed the complete system architecture — including backend services, frontend dashboards, and AI-driven analytics.
- Integrated OpenAI APIs to automate product analysis, landing page generation, and copywriting, using natural language insights to boost conversion.
- Implemented data scraping pipelines and ETL processes for structured aggregation of sales, engagement, and pricing metrics from Dropi and other e-commerce sources.
- Built a credit-based token system to manage AI usage and user subscriptions efficiently.
- Developed and deployed the platform using Node.js, Vue.js, and MongoDB, integrated with Shopify, MercadoLibre, and Firebase for data synchronization and scalability.
- Currently expanding operations across 7 Latin American countries with a growing user base of entrepreneurs and digital marketers.

Tech: Node.js · Vue.js · MongoDB · OpenAI API · Python · Puppeteer · Shopify API · MercadoLibre API · Firebase · TailwindCSS · CI/CD

## TECHNICAL SKILLS

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### Mobile Development:

Swift · SwiftUI · Objective-C · UIKit · Combine ·  
CoreData · AVPlayer · Background Tasks · Push  
Notifications · Async/Await

### Front-End Development:

React.js · Vue.js · AngularJS · HTML5 · CSS3 ·  
TailwindCSS · TypeScript

### Back-End Development:

Node.js · Express.js · PHP · Ruby on Rails · RESTful  
APIs · GraphQL

### Database & Storage:

PostgreSQL · MySQL · MongoDB · Firebase ·  
CoreData

### Cloud & DevOps:

Firebase Cloud · GitHub Actions · CI/CD Pipelines

### AI & Data Automation:

OpenAI API · Python · Data Scraping · AI-powered  
Product Analytics

### Testing & Quality:

XCTest · SwiftLint · Code Reviews

### Version Control & Collaboration:

Git · GitHub · Bitbucket · GitLab · Jira · Confluence  
· Trello · Slack

### Architectures & Patterns:

MVVM · VIPER · MVC · Clean Architecture

## EDUCATION

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Systems Engineering, UNAD Colombia

Systems Technologists, Valle University Colombia

## NON FORMAL EDUCATION

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Advanced English Course, ACE ENGLISH MALTA	01/2022 – 08/2022
Webmaster, SENA	08/2012
Linux: operating system, commands and utility, SENA	08/2008
Programming Language Structure C++ Level I, SENA	06/2008

## LANGUAGES

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English: B2 - C1

Spanish: Native