

# DIANA MALDONADO

## SENIOR IOS DEVELOPER

Toronto, ON • 289-823-3042 • [diana.maldonado130@gmail.com](mailto:diana.maldonado130@gmail.com) •

Portfolio: <https://dianamaldonado.vercel.app/>

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### SKILLS

Swift | SwiftUI | iOS | Objective-C | Java | Kotlin | Python | JavaScript | TypeScript | React Native | Realm | MongoDB | SQL | MySQL | Elasticsearch | Firebase | RESTful APIs | Core Data | Face ID/Touch ID | HealthKit | Firebase Firestore | Google Maps SDK | App Store & Play Store Deployment | MVVM | Unit Testing | Git | Agile/Scrum

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### WORK EXPERIENCE

**Senior iOS Developer**, September 2024 - Present

**Apertura – Toronto, Canada (Hybrid)**

- Led the development of iOS applications for digital banking and payment solutions, enabling seamless transactions, bill payments, and financial management for thousands of users.
- Designed and implemented a modular, scalable architecture using Swift and SwiftUI, reducing technical debt and improving feature deployment speed by 40%.
- Developed a real-time notification system using Firebase Cloud Messaging, ensuring users received instant updates on transactions, account balances, and promotional offers.
- Optimized app performance, reducing startup time by 35% and improving memory efficiency, leading to a 25% increase in user retention.

**iOS Developer**, March 2023 – September 2024

**Soil Optix – Toronto, Canada (Remote)**

- Led the iOS front-end development for a precision agriculture platform that visualizes soil analytics data.
- Optimized UI performance to efficiently handle large geospatial datasets, reducing rendering time by 40% and improving responsiveness.
- Integrated Apache Airflow pipelines to process and display real-time soil analysis reports, ensuring seamless data updates for users.
- Collaborated closely with data engineers and GIS specialists to develop advanced interactive mapping and data visualization tools.
- Improved API response handling, reducing app latency by 30%, leading to faster data retrieval and a smoother user experience.

**iOS Developer**, July 2022 – December 2023

**Felix – Bogotá, COL (Remote)**

- Designed and developed a patient appointment scheduling system using Swift and Firebase, enabling seamless booking, reminders, and real-time updates.
- Integrated Apple HealthKit, allowing users to track fitness metrics and medical records.
- Implemented custom animations and gesture-based interactions using Core Animation, improving the app's usability and user experience.
- Enhanced security and compliance by integrating biometric authentication (Face ID/Touch ID) and end-to-end encryption, ensuring HIPAA-compliant data protection.
- Led the migration of legacy Objective-C components to a modern Swift-based architecture, improving code maintainability and app performance.

**Mobile Developer**, April 2020 – July 2022

**Proximate – Bogotá, COL (Remote)**

- Designed, developed, and maintained native iOS and Android applications for clients in the health insurance and education sectors, improving user accessibility and engagement.
  - Successfully published and managed applications on the App Store and Google Play Store.
  - Integrated real-time chat and customer engagement features using Firebase, enabling seamless communication between users and support teams.
  - Developed and optimized push notification systems, ensuring timely delivery of updates, alerts, and personalized user notifications.
  - Collaborated with key clients, including Seguros Colmena, EAN University, Universidad del Rosario, Medplus, Colmédica, and Efecty, to deliver high-quality mobile solutions tailored to their business needs.
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### EDUCATION

**Computer Programming and Analysis**

Niagara College - Welland, ON

**Bachelor of Laws**

Externado University of Colombia – Bogotá, Colombia