

Arturo Diaz Segovia

iOS Software Engineer

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PROFESSIONAL SUMMARY

iOS software engineer with six years of professional and independent experience building native products with Swift, SwiftUI, and UIKit. Experience includes regulated healthcare software, financial services, Bluetooth and NFC integrations, production migrations, and end-to-end App Store delivery. Product-minded engineer who works across architecture, interface design, testing, release workflows, and user-focused iteration.

PROFESSIONAL EXPERIENCE

Sequenex

iOS Developer (Client assignment: Tandem Diabetes Care)

San Diego, CA (Remote) | Aug 2024 - Mar 2026

Healthcare technology consulting company. Assigned to Tandem Diabetes Care to develop regulated iOS software for connected insulin pumps and continuous glucose monitoring systems.

- Delivered regulated iOS software for Tandem Diabetes Care's connected insulin-delivery products through Sequenex, using Swift, SwiftUI, UIKit, Bluetooth, and NFC.
- Led the CGM pairing flow's migration from UIKit to SwiftUI within a broader app modernization effort, using a bridge and feature flag to keep both implementations available during QA.
- Reduced dependence on physical insulin pumps and accelerated development and debugging by building a configuration-driven SwiftUI mock that simulated device responses.
- Expanded automated test and delivery coverage by contributing XCTest tests and GitHub Actions workflows.

Inbursa Financial Group

iOS Developer

Puebla, Mexico | May 2023 - Aug 2024

- Improved the banking app's maintainability, interface consistency, and long-term scalability by leading its migration from Xamarin to native iOS with SwiftUI.
- Supported secure authentication and data exchange by designing the app's navigation and networking layers, including encrypted data handling and HTTPS communication.
- Delivered responsive and accessible production interfaces by coordinating with business and technical stakeholders.
- Accelerated the team's adoption of native iOS development by guiding teammates and the team lead on SwiftUI and platform-specific implementation patterns.

NUBIX | [App Store](#)

iOS Developer, Academic Practicum

Remote | Jun 2023 - Aug 2023

- Enabled users to retrieve radiology studies and reports from the NUBIX healthcare platform by developing a QR-scanning workflow with AVFoundation.
- Provided persistent access to medical history and external study flows by implementing SwiftUI navigation, Core Data storage, and external redirection.

Universidad de las Américas Puebla

Undergraduate Machine Learning Researcher

Puebla, Mexico | Aug 2022 - May 2024

- Automated the review of large aerial beach-image collections by building a computer-vision model that identified sea lions.
- Created the training and evaluation pipeline for sea-lion detection by preparing and annotating the dataset in Roboflow and training a YOLOv4 model.

SELECTED PROJECTS

Derived | [GitHub](#)

Creator and macOS Developer

Puebla, Mexico | Jul 2026 - Present

- Enabled developers to identify and safely remove storage generated by Xcode, Simulator, and XCTest by building an open-source macOS menu-bar app, CLI, and MCP integration.
- Reduced cleanup risk by creating shared scanning, path-validation, and deletion workflows with safeguards for active or high-risk targets and verification of reclaimable storage.

Recipic | [App Store](#)

Founder and iOS Developer

Puebla, Mexico | Jun 2026 - Present

- Enabled calorie tracking and meal logging from multiple food sources by integrating USDA and Open Food Facts data with a Cloudflare backend protected by App Attest and session tokens.
- Expanded food capture and health tracking by implementing prepared-meal, barcode, menu, and nutrition-label

scanning, along with recipes, water intake, weight progression, goals, and achievements.

Pediatric Heart Transplant Education RAG | [GitHub](#)

Academic Capstone

Remote | 2026

- Provided source-grounded healthcare education through questions, lessons, and quizzes by building a FastAPI backend and SwiftUI application.
- Established a hybrid medical-information retrieval pipeline by comparing BM25, Contriever, SPECTER, and MedCPT, then combining BM25, SPECTER, and MedCPT.

Minted | [App Store](#)

Founder and iOS Developer

Puebla, Mexico | Oct 2025 - Present

- Enabled users to manage multiple accounts, custom tracking periods, and spending analytics by building and releasing a personal-finance app with local persistence, subscriptions, and CSV/PDF export.
- Supported privacy-focused financial tracking and cross-device access by designing local-first product flows and iCloud integration.

Episodic | [App Store](#)

Founder and iOS Developer

Puebla, Mexico | Jul 2022 - Present

- Delivered the product from strategy through App Store release by owning architecture, UI/UX, API integrations, persistence, widgets, notifications, subscriptions, and analytics.
- Improved a production application serving approximately 500 daily active users by using analytics and feedback to prioritize features and performance work.

EDUCATION

The University of Texas at Austin

Graduate coursework toward M.S. in Artificial Intelligence

Austin, TX (Remote) | Aug 2025 - Aug 2026

- Program paused in August 2026 due to funding constraints following the end of employment.

Universidad de las Américas Puebla

B.S. Computer Science

Puebla, Puebla, Mexico | Aug 2019 - May 2024

- GPA: 9.9/10 | Summa cum laude | Honors Program

International Exchange: Oregon State University

Digital Animation and Software Engineering I

Corvallis, Oregon | 2022

- Coursework covered the software lifecycle, requirements, design, and project management.

COURSES AND CERTIFICATIONS

LeetCode Interview Crash Course | [Course](#)

Data Structures and Algorithms

Completed | 2026

ADDITIONAL SKILLS

- **Native iOS:** Swift, SwiftUI, UIKit, Foundation, Core Data, AVFoundation, CoreBluetooth, NFC
- **Architecture and APIs:** MVVM, dependency injection, modular iOS architecture, API integration, secure networking, state-driven UI
- **Engineering:** Xcode, XCTest, Git, GitHub, GitHub Actions, code reviews, JIRA, Instruments, Agile
- **Product Delivery:** Design systems, Firebase Analytics, feature flags, remote configuration, A/B testing, subscriptions, App Store releases
- **Applied AI:** Computer vision, YOLOv4, Roboflow, retrieval-augmented generation, BM25, SPECTER, MedCPT, FastAPI
- **Languages:** Spanish (native), English (fluent), French (intermediate)