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SUMMARY

Co-founder and CTO of Manada Agency, iOS developer and IT engineer with 5+ years in software development, CI/CD and cloud infrastructure. I designed and shipped three native apps end to end in Swift 6 and SwiftUI (two on the App Store), covering SwiftData, widgets, Live Activities, watchOS, Siri and App Intents, StoreKit 2 and on-device AI with Foundation Models.

Beyond iOS, I cover the full product lifecycle: back ends and APIs in .NET, front ends in React, Next.js and Astro, and infrastructure on Azure, AWS, Cloudflare and Linux, tuned for cost without giving up performance. I automate delivery with GitHub Actions, Azure DevOps and Xcode Cloud pipelines, release to the App Store and Google Play, and protect quality with automated testing in Swift Testing, Selenium and Postman. I start from what the business needs to decide what to build and how. Advanced English, with professional experience in an international program in Washington, D.C.

EDUCATION

Universidad del Valle de México Since November 2025
B.A. in Psychology (in progress)

Universidad Tecnológica Fidel Velázquez 2021
B.S. in Information Technology Engineering

The Washington Center for Internships and Academic Seminars 2019
Internship and Governors Program

Universidad Tecnológica Fidel Velázquez 2018
Associate degree in Information and Communication Technologies

EXPERIENCE

Manada Agency April 2026 to present
Co-founder and CTO

- Co-founded the agency with one partner and lead all of its technology: native Apple apps, websites, back ends, infrastructure and internal tools.
- Define the technical direction, choose the stack and turn client and business needs into products that ship.
- Design, build and ship native apps in Swift 6 and SwiftUI, from architecture and UI to App Store submission.
- Facturándome: CFDI 4.0 e-invoicing for Mexican freelancers. MVVM, local-first SwiftData, protocol-based networking layer decoupled from a .NET back end, PDFKit import of tax documents, Sign in with Apple, Face ID and a StoreKit 2 freemium model.
- Puntual: day planner for iPhone and Apple Watch. Live Activities and Dynamic Island, watchOS companion synced with WatchConnectivity, Siri and Shortcuts with App Intents, schedule import with Vision and Foundation Models, in English and Spanish.
- Manada Cotiza: internal pricing app with a modular architecture (pricing engine in its own Swift Package), Supabase back end with roles, PDF quotes and widgets.
- Automated testing with Swift Testing (50+ test files) and StoreKit Testing; Xcode Cloud builds with custom scripts that inject secrets at build time.

Red Companies April 2021 to August 2026

Senior developer May 2025 to August 2026

- Web apps and APIs with .NET and React in production.
- Front end and back end integration through APIs within continuous integration workflows.
- Maintained, updated and monitored hybrid mobile apps (Ionic) for iOS and Android.
- Improved code structure for maintainability and scalability.
- Optimized data loading, reducing response times.
- API integrations that sped up data exchange between systems.

Infrastructure administrator May 2022 to May 2025

- CI/CD pipelines with Azure DevOps and GitHub Actions workflows.
- Released mobile apps to the App Store and Google Play.
- Managed GitHub and Bitbucket repositories with Git Flow: merge conflicts and code integrity.
- Cloud infrastructure on Azure and AWS (Azure Web Apps, Azure Active Directory, AWS IAM, Route 53) and Linux servers.
- Monitored metrics and logs; automated operations to cut deployment time and errors.
- Lower infrastructure costs without hurting performance.
- Pipelines that shortened delivery times.

IT support and QA August 2021 to May 2022

- Functional and automated testing of apps and APIs with Selenium and Postman; debugging and defect resolution.
- Improved the quality assurance process.

IT support intern April 2021 to August 2021

- Hardware, software and network support; Office 365 user administration and SharePoint sites.

SELECTED ACHIEVEMENTS

- Cut cloud infrastructure costs by about 35% (around 2,000 USD a month) by optimizing resources across AWS and Azure, with no loss of availability or performance.
- Designed CI/CD pipelines that automate build, test and deploy, making production releases faster and more reliable.
- Delivered web and mobile apps end to end: React front end, .NET back end, deployment and release.
- Provisioned and secured infrastructure (DNS, SSL, identity and hosting) for 8+ production systems.

SKILLS AND ADDITIONAL INFORMATION

Certifications: iOS Application Development (competency certificate), Tecnológico de Monterrey (2026); English Language Program, University of Calgary (2018).

Programming languages: Swift 6, JavaScript, C# (.NET), SQL.

iOS: SwiftUI, UIKit, SwiftData, Core Data, CloudKit, Observation, Swift Concurrency, Swift Package Manager.

Apple frameworks: WidgetKit, ActivityKit, App Intents, watchOS and WatchConnectivity, StoreKit 2, PDFKit, Vision, Foundation Models, AuthenticationServices, LocalAuthentication, Swift Charts, UserNotifications.

Architecture: MVVM, protocol-oriented design, modular Swift Packages, local-first data, REST API integration.

Testing: Swift Testing, StoreKit Testing, Selenium, Postman.

CI/CD and tools: Xcode, Xcode Cloud, GitHub Actions, Azure DevOps, Git and Git Flow, App Store Connect, Google Play Console.

Back end and cloud: .NET, React, Next.js, Astro, Supabase, SQL Server, MySQL, Azure, AWS, Cloudflare, Firebase, Vercel, Linux.

Spoken languages: Spanish (native), English (advanced), French (basic).

Working style: Clear communication in collaborative, international teams; understanding business needs to adapt and deliver the right solution; ownership of technical decisions; analytical, results-oriented mindset; self-directed learning and fast adaptation to new technology; reliable delivery on deadlines.