



React Native Technical Lead **Luis Alcaraz Leal**

**MOBILE & FULL STACK DEVELOPER | REACT NATIVE | IOS |
NODE.JS | DEVOPS**

Crafting Code with Purpose. Designing with People in Mind.

Innovative, detail-obsessed, and user-focused – I’m a seasoned Mobile and Full Stack Developer with over a decade of experience building scalable, performant, and intuitive software across industries including healthcare, fintech, education, and enterprise mobility.

With deep expertise in **React Native**, **Swift**, **Node.js**, and a range of modern frameworks, I thrive at the intersection of design, performance, and business impact. I’ve led distributed teams, owned CI/CD pipelines, architected mobile-first products from the ground up, and delivered apps that not only work – but *feel right*.

Beyond the code, I care deeply about open-source, self-hosting, privacy-respecting tech, and finding elegant solutions to messy problems. Whether I’m leading a team, shipping a high-stakes feature, or building something just for fun (like a Raspberry Pi-powered school server or a taco truck PoS system), I bring energy, empathy, and execution to every project.

What I Bring to the Table

- 💡 Cross-platform mobile development with a focus on **React Native & iOS (Swift)**
- 🚀 Proven leadership in distributed teams and agile environments
- 📦 Full-stack development with **Node.js**, **MongoDB**, and **modern JS frameworks**
- 🔒 Security-first mindset, with experience in **HIPAA**, **ISO 27001**, and **WhiteHat remediation**
- 🏠 CI/CD pipelines, DevOps practices, and scalable cloud architecture
- 🎯 Deep commitment to clean code, documentation, and maintainability

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PASSION PROJECTS

VOLUNTEER DEVELOPER & CO-CREATOR

BYTXT.IO | SEP 2017 | DISASTER RESPONSE & HUMANITARIAN RELIEF

Built and deployed an SMS-based emergency information system in response to the devastating 7.5 magnitude earthquake that struck Mexico City on September 19, 2017. With traditional telecom infrastructure strained and mobile data unreliable, I developed a lightweight, fault-tolerant Node.js service to help citizens access critical local resources via SMS.

Key Impact:

- Enabled fast, low-bandwidth access to shelter, medical, and psychological support services by zip code.
- Collaborated with a grassroots team to rapidly gather, clean, and structure data on emergency support locations across Mexico City.
- Leveraged Node.js to create a minimal backend that could respond to SMS queries even on degraded 2G/3G networks.
- Supported thousands of users during a time of crisis, bypassing traditional web limitations through text-based interaction.

Tech Stack: Node.js, Twilio, Google Sheets API, SMS gateway integration

CREATOR & LEAD DEVELOPER

PUNCHSWIPE POS FOR PRONTOTACO ([HTTPS://PRONTOTACO.COM](https://prontotaco.com))

Designed and developed a fully customized Point-of-Sale system for ProntoTaco, a fleet of food trucks needing a lightweight, reliable, and cost-effective alternative to mainstream PoS solutions. Built from the ground up using modern technologies, with a focus on speed, simplicity, and offline resilience.

Key Impact:

- Built native iOS app in Swift, integrating Stripe for payments and hardware support for card readers and BLE thermal printers.
- Developed a backend service in Node.js with MongoDB, enabling secure transaction logging and fleet-wide data sync.
- Designed a minimalist, touch-friendly UI tailored for fast-paced food truck environments – “just punch and swipe.”
- Deployed through enterprise distribution across multiple mobile devices for full on-the-go coverage.

Tech Stack: Swift, Stripe SDK, Node.js, MongoDB, BLE peripherals, Custom REST API

VOLUNTEER SYSTEMS ARCHITECT
VILLAGE MONTESSORI SCHOOL

Designed and deployed a self-hosted, solar-powered digital environment for a local Montessori school to replace underutilized and costly web services. Focused on reducing operational expenses while increasing data control, privacy, and sustainability.

Key Impact:

- Built a fully self-hosted infrastructure using a Raspberry Pi and open-source tools to manage internal resources.
- Enabled secure remote access using Cloudflare Tunnels and configured VPN support for administration.
- Powered the system via solar energy, running entirely on residential internet and local hardware.
- Helped the school phase out expensive third-party services in favor of lightweight, privacy-respecting alternatives.

Tech Stack: Raspberry Pi, Cloudflare Tunnel, OpenVPN, Docker, Open Source Software

CAREER HIGHLIGHTS

React Native Technical Lead - Enterprise Mobility (formerly Enterprise Holdings) at Merkle, Inc, a Dentsu Company.

Since Aug 2022

Lead Mobile Application Developer - Breezeway, INC

Dec 2021 - Jun 2022

Mobile Application Developer - Zinc Partners LLC

Dec 2019 - Nov 2021

Mobile / Web Developer - Level Up Development

Jan 2018 - Nov 2019

Mobile / Web Developer - Healthcare Anywhere, LLC

Apr 2016 - Dec 2017

Mobile Developer - Cognizant

Jun 2015 - Mar 2016

Mobile / Web Developer - Grupo Gráfico Meggico

Dec 2012 - May 2015

Web Developer / Networking Engineer - FlexTek Resources

Dec 2010 - Dec 2012

Networking Engineer - GE Money

May 2006 - Dec 2010

Software Engineer - ASCI Inc. / HP

Oct 2005 - May 2006

REACT NATIVE TECHNICAL LEAD AT MERKLE, INC. A DENTSU COMPANY.
SINCE AUG 2022

Driving innovation and scalability across National and Enterprise mobile apps for Enterprise Mobility (formerly Enterprise Holdings). Lead cross-functional teams to build secure, performant, and intuitive mobile experiences using React Native and modern mobile architectures.

Key Strengths:

- Spearhead development of high-performance, cross-platform mobile apps using React Native.
- Mentor agile teams to foster innovation, code quality, and technical growth.
- Design scalable, maintainable architectures aligned with enterprise goals and security standards.
- Bridge business and tech through close collaboration with stakeholders and product teams.

Impact & Achievements:

- Delivered v8.1 of the Enterprise App—rebuilt entirely in React Native.
- Integrated OneTrust compliance framework across Enterprise and National mobile platforms.
- Led implementation of advanced security enhancements, including certificate pinning and mitigation of WhiteHat-identified vulnerabilities.

LEAD MOBILE APPLICATION DEVELOPER AT BREEZEWAY, INC
DEC 2021 - JUN 2022

Led the in-house mobile development team at Breezeway for a short period of time, delivering cross-platform solutions with a focus on performance, reliability, and user experience. Owned the full mobile development lifecycle from code to release, including CI/CD pipelines and app store deployments.

Key Strengths:

- Led React Native development for feature-rich mobile applications across iOS and Android.
- Managed end-to-end CI/CD workflows, ensuring smooth and timely releases.
- Collaborated with stakeholders to prioritize features, troubleshoot issues, and align mobile solutions with business needs.

Impact & Achievements:

- Delivered multiple production releases to Apple App Store and Google Play.
- Streamlined CI/CD pipelines, reducing release cycle time by 30%.
- Strengthened team productivity and technical consistency by introducing code standards and release best practices.

MOBILE APPLICATION DEVELOPER

ZINC PARTNERS LLC | DEC 2019 - NOV 2021

Delivered full-stack and mobile solutions as a consultant across multiple clients, specializing in iOS development, React Native, Salesforce integrations, and communications platforms. Adapted quickly to a wide range of tech stacks and business domains, consistently delivering high-quality, production-ready applications.

Key Strengths:

- Built and maintained iOS apps in both Objective-C and Swift for large-scale enterprise clients.
- Developed cross-platform mobile apps and backend services using Node.js, React Native, and Ember.js.
- Integrated Salesforce functionality into custom mobile apps to streamline client workflows.
- Architected and implemented Twilio-powered communications features for multiple enterprise use cases.

Impact & Achievements:

- Delivered native iOS features for Program Productions using Objective-C, supporting workforce management tools.
- Created Salesforce-integrated mobile apps for Camping World using Swift.
- Led full-stack JavaScript development (React Native, Node.js, Ember.js) for Mentrledge's healthcare solutions.
- Developed custom Salesforce and Twilio modules for MS Companies, Sinewave Tech, and SP+ to enhance customer engagement and streamline internal operations.

MOBILE / WEB DEVELOPER AT LEVEL UP DEVELOPMENT

JAN 2018 - NOV 2019

Contributed to a wide range of client projects as a full-stack and mobile developer, specializing in Swift, React Native, and modern JavaScript frameworks. Delivered user-centric applications in healthcare, AR, and enterprise communications with a strong focus on performance, scalability, and UX.

Key Strengths:

- Developed cross-platform mobile apps using React Native and native iOS apps with Swift.
- Delivered AR-based features and interactive tools leveraging Apple's ARKit.
- Built and maintained full-stack features across mobile and web platforms.
- Partnered with clients to create custom Twilio-based communication workflows.

Impact & Achievements:

- Built **Nosh**, a React Native app enabling dietitians to create and monitor personalized meal plans and patient progress.
- Delivered **NewPro+**, an ARKit-powered iOS app for NewPro Containers, allowing landscape designers to stage and share augmented reality planter layouts with clients.
- Rebuilt INR and VAD management modules for **Orthodynamics**, streamlining backend systems including Billing, Claims, and Patient tracking.
- Led the redesign of the company website and developed multiple Twilio-first mobile prototypes for client-facing communication solutions.

MOBILE / WEB DEVELOPER AT HEALTHCARE ANYWHERE, LLC

APR 2016 - DEC 2017

Led development and maintenance of *Healthcare Anywhere*, a HIPAA-compliant mobile platform enabling secure doctor-patient communication. Contributed to full-stack upgrades, cross-platform app development, and infrastructure modernization to support a rapidly evolving telehealth environment.

Key Strengths:

- Built and maintained hybrid mobile apps for iOS, Android, and Windows UWP using Cordova, PhoneGap, and IonicFramework.
- Migrated legacy LAMP architecture to a modern MEAN stack, improving performance and scalability.
- Enhanced backend systems by moving from MySQL to MongoDB and consolidating AWS/Docker environments.

Impact & Achievements:

- Delivered a cross-platform telehealth application compliant with HIPAA standards, accessible across mobile and web platforms.
- Spearheaded CI implementation and infrastructure improvements, reducing deployment friction and increasing reliability.
- Refactored legacy code and integrated AngularJS with Node.js for better maintainability and performance.
- Supported *Caria*, the company's core healthcare platform, through end-to-end stack modernization and mobile enablement.

MOBILE DEVELOPER AT COGNIZANT

JUN 2015 - MAR 2016

Focused on hybrid mobile development and offline-first applications, including the creation of custom mapping libraries and cross-platform tools. Played a key role in multiple client-facing projects while acting as a bridge between offshore and local teams.

Key Strengths:

- Developed hybrid mobile apps using Cordova and PhoneGap for iOS and Android.
- Designed and implemented custom libraries for offline mapping and tile caching.
- Led Scrum ceremonies and served as a junior Scrum Master and team integrator across global teams.

Impact & Achievements:

- Created **TileWallJs**, an ECMAScript-compliant JavaScript library enabling offline map experiences by caching map tiles in SQLite. Integrated with Leaflet, supporting Mapbox and OpenStreetMap sources.
- Delivered **WashApp**, **KarenNet Party List**, and **mappd** – hybrid mobile apps with full backend integration, built using AngularJS, PHP, SQLite, and Google Maps API.
- Optimized offline sync methods for hybrid apps, reducing data usage and improving reliability in low-connectivity environments.
- Acted as a liaison between offshore teams in India and local stakeholders, ensuring timely delivery and smooth collaboration.

MOBILE / WEB DEVELOPER AT GRUPO GRÁFICO MEGGICO
DEC 2012 - MAY 2015

Head of IT & Development, responsible for building and scaling web and mobile solutions for high-profile clients including BBVA Bancomer, Banamex, CFE, Canon Mexicana, and Banorte. Architected the **CIM Framework**, an in-house development platform that enabled rapid deployment of responsive and adaptive web applications in under three days.

Key Strengths:

- Led development of cross-platform web and hybrid mobile apps using HTML5, CSS3, jQuery, and PhoneGap.
- Designed MVC-based systems with lightweight, efficient sync strategies for low-bandwidth environments.
- Developed enterprise apps with integrated mapping and location tracking using Google Maps and Mapbox APIs.

Impact & Achievements:

- Created the **CIM Framework**, now used by multiple enterprise clients for marketing and operational platforms.
- Delivered hybrid mobile apps (iOS enterprise deployment) with offline-first strategies via SQLite and localStorage.
- Optimized data usage for remote environments with EDGE connectivity by implementing mirrored database structures and minimal payload syncs.
- Led UI/UX development based on Bootstrap grid systems, delivering mobile-friendly (pre-responsive) web experiences.
- Deployed over 10 major client projects, including:
 - Bancomer CIM
 - HolaBanamex
 - PolizaGNP
 - Meggico AR
 - Meggico.app

WEB DEVELOPER / NETWORKING ENGINEER AT FLEXTEK RESOURCES
DEC 2010 - DEC 2012

Served as a first-contact IT agent and project lead for clients across Mexico and Latin America, delivering both networking infrastructure and web development solutions. Specialized in voice and data network design, wireless systems, and bilingual technical support for regional enterprise customers.

Key Strengths:

- Cisco CCSP-certified with a focus on wireless network design, deployment, and troubleshooting.
- Managed client-facing projects across Latin America for companies including Mead Johnson and CESSNA.
- Balanced hands-on network engineering with web development for mobile and enterprise-facing applications.

Impact & Achievements:

- Designed and implemented scalable wireless and VoIP networks across multiple Latin American regions.
- Delivered a series of web and mobile development projects including:
 - CreditoSi Mobile App
 - CreditoPersonal Web Services
 - Diverza's Factor WOW
 - PepsiCo's Doritos: La Experiencia
 - PepsiCo's Cheetos, El Gran Sabor a Queso
- Acted as bilingual project manager, translating business requirements into actionable tech strategies and bridging communication across diverse stakeholders.

NETWORKING ENGINEER AT GE MONEY
MAY 2006 - DEC 2010

Served as Datacenter Administrator and Network Engineer for GE Capital Mexico, overseeing mission-critical data and voice services. Led the design, implementation, and support of wireless infrastructure, disaster recovery planning, and enterprise-grade network security for multi-site operations.

Key Strengths:

- Managed Level 2 support for Linux and Windows environments and Level 1 support for VMware virtual infrastructure.
- Acted as primary contact for ISP carriers, network troubleshooting, and Layer 3 escalation within GE's Global Infrastructure Services (GIS) team.
- Designed and maintained high-performance, fault-tolerant networks with a focus on VoIP optimization and QoS tuning.

Impact & Achievements:

- Led design and deployment of GE Capital Mexico's first wireless network across two cities and five floors, reducing implementation time and costs through advanced simulation tools.
- Spearheaded DRP (Disaster Recovery Plan) exercises between 2008-2010, improving resilience and response times.
- Conducted in-depth traffic analysis using Cisco LAN Manager, Wireshark, and Cisco Network Assistant to troubleshoot and optimize TCP/IP network performance.
- Established network security and QoS guidelines based on Cisco's "Best Practices for High-End Network Facilities," reducing network congestion and improving VoIP reliability.
- Maintained the internal Knowledge Center and oversaw quality processes for the infrastructure team.

SOFTWARE ENGINEER

ASCI INC. / HP | OCT 2005 - MAY 2006 | GUADALAJARA, MEXICO

Led testing efforts for HP's Web JetAdmin application, focusing on software quality assurance, usability evaluation, and process modeling. Worked closely with engineering and design teams to validate interface functionality and improve user experience on HP printing devices.

Key Strengths:

- Designed detailed test plans and test cases for functional, regression, and smoke testing.
- Led the Unix testing team, managing environments and facilitating cross-platform validations.
- Acted as a usability advisor, providing design feedback to improve end-user experience.

Impact & Achievements:

- Ensured product stability and quality by implementing comprehensive automated and manual test processes.
- Developed and documented UML-based process flows to enhance test coverage and system understanding.
- Facilitated testing across Red Hat Linux Enterprise environments and managed virtual appliance configurations.
- Utilized tools including Rational Rose and Rational Functional Tester to streamline QA operations.