Luis Alcaraz
Mobile App Developer

Seasoned Full Stack Developer, passioned for mobile applications, experienced iOS developer; Javascript advocate, Swift lover, forbearing Objective C coder and Java hater; Self-hosting enthusiast and open-source contributor.

Proficient in Angular, React and ReactNative, NodeJS. Enthusiast of NoSQL databases, but relational databases are sexy too. Six Sigma facilitator, experienced with ISO 27001 for Development

Addicted to user-friendly design, performance improvement, documenting code, refactoring, continuous integration and deployment, and unit testing.

Advocate of readable code, by using clear, explicit method and variable names and effective commenting. Git aficionado.

Certifications: CCNA, CCNP, CCSP, HIPAA, Twilio Certified Partner, Salesforce Platform App Builder

Projects and Roles

• React Native developer for Breezeway Homes, LLC

• iOS developer (Objective C) for ProCrewz by Program Productions

• iOS developer (Swift) for Camping World

• iOS developer (Swift) for NewPro+ a product by NewPro Containers

• React Native developer for Nosh

• React Native developer for INR by Orthodynamics

• Javascript Full Stack developer for Mentridge

• Javascript Full Stack developer for Caria by Healthcare Anywhere

• Javascript Full Stack developer and Lead Developer for Koodzo

• Twilio advisor for MS Companies

• Creator of TileWallJs, a hybrid cartography library for Cognizant

• Data Migration Engineer for Sinewave

Latest personal projects

PunchSwipe PoS for ProntoTaco
https://prontotaco.com

A friend reached out because he was starting a new business (but still selling tacos) and he felt that most PoS systems were not a good fit for his starting business so needed a custom development for a Point of Sale system. I crafted one using Swift and Stripe (including Stripe card readers) as foundation, a cheap thermal BLE printer we found on Amazon and he was good to go. We made an enterprise deployment for his fleet of food trucks and so far it's working for them. The app includes a backend companion I wrote using NodeJS and MongoDB is the database I choose to use. The name came after the first iteration of the UI which I made to be as easy and quick as possible and that you only needed to punch buttons and swipe the card, it was called PunchSwipe.

Self hosted environment for Village Montessori School
(Self hosted, not publicly accessible)

My kid's school was spending a lot of money for web tools that they barely used or were misused so I helped them creating a self-hosted environment with a Raspberry Pi and open-source tools. Some tools are securely exposed using Cloudflare tunnels and there's a VPN access as well. Everything runs on solar power energy behind a residential internet service.

Profesional Experience

Breezeway Homes, LLC   *December 2021 - Current*
Mobile Application Developer   Indianapolis, Indiana Area

- Leader of the in-house and off-shore mobile development team
- Responsible for React Native Development for mobile and desktop apps
- Responsible for CI/CD and Release processes on Google Play Store, Apple AppStore (mobile and desktop) and Amazon Appstore for Android.

Zinc Partners, LLC
Mobile Application Developer

December 2019 - November 2021
Indianapolis, Indiana Area

Swift, Javascript, React and React Native developer assigned to firm's clients.
Worked on the following projects:

- iOS Developer (Objective C) assigned to Program Productions
- iOS Developer (Swift) - creating Salesforce enhanced mobile applications for Camping World
- Javascript Full Stack Developer (React Native, NodeJS, React, Azure Cloud Architect) assigned to Mentridge
- Twilio advisor for MS Companies and Sinewave
- Data Migration Engineer for Sinewave
- Salesforce Developer for MS Companies

Level Up Development
Mobile / Web Developer

January 2018 - November 2019
Indianapolis, Indiana Area

Swift, Javascript, React and React Native developer assigned to firm's clients.
Worked on the following projects:
- Nosh, a react native application for dietitians to help them create and monitor meal plans and patients.
- Redesigning the company's website
- Some Twillio first approach projects for clients.
- NewPro+, an iOS ARKit based application for the company NewPro Containers which intended to help landscaper designers to stage planters using their phone's augmented and mixed reality capabilities and share it with their clients.
- INR, an application for the company Orthodynamics Company which is a VAD/MCS management tool. Worked on the INR and VAD modules including Billing, Claims, Patients, Staff and Locations components both front and backend.

Healthcare Anywhere, LLC
Mobile / Web Developer

April 2016 - December 2017
Indianapolis, Indiana Area

Responsible of creating and maintaining Healthcare Anywhere, a mobile application that allows doctors and patients to meet in a safe, HIPAA compliant environment. Available for iOS and Android.
- Web Developer
* Debugging of legacy code and node.js / angular js implementation for web application. Migration from MySQL to MongoDB
* AWS / Docker servers consolidation, CI foundation implementation based on MEAN.IO

- Hybrid mobile applications developer (Cordova / Phonegap / IonicFramework) for Android, iOS and Windows 10 UWP
- MEAN stack migration from LAMP stack on the company's platform named Caria.
- Team leader for the offshore team (4 developers, two in India, two in Mexico)

Cognizant
Mobile Developer

June 2015 - March 2016
Indianapolis, Indiana Area

Creation of TileWallJs, an ECMAScript compliant library for web / hybrid (JavaScript based) applications in order to provide offline map experiences achieving map tiles caching on SQLite local database based on Leaflet plugin with support for Mapbox or OpenStreetMap map sources.
- Hybrid mobile application developer (Cordova / Phonegap)
- Optimization of the offline sync payload methods for hybrid applications.
- Scrum Master (Jr level) and integrator between offshore and local teams.

Project 1 - WashApp
Project 2 - KarenNet Party List
Project 3 - mappd

- Built and designed UI, web services and data structures * Hybrid app, available for iOS and Android
- Backend included, written on PHP
- MVC based
- Uses Google Maps API, localstorage, SQLite, OnsenUI, jQuery * UI written with AngujarJS techniques

Grupo Grafico Meggico
Mobile / Web Developer

December 2012 - May 2015
Mexico City, MX

Head of the IT & Development department. Creator the CIM, an in-house framework for quick web development (mobile and desktop) capable of creating responsive websites as well adaptive websites in less than 3 days. Clients as BBVA Bancomer, Banamex (part of Citi Group), Comisión Federal de Electricidad (CFE), Canon Mexicana, Banorte / IXE are using this framework with their own adaptations for every day marketing operations.

Project 1 - Bancomer CIM
Project 2 - Bancomer Calculadora de Items Project 3 - PolizaGNP
Project 4 - Banamex CIM
Project 5 - HolaBanamex
Project 6 - PIC Valle

Project 7 - PIC Interior
Project 8 – CIM Framework
Project 9 – Meggico AR
Project 10 – Meggico.app

* Built and designed UI, web services and data structures for mobile and desktop.
* UI is based on Bootstraps grid guidelines.
* The webapp is written on HTML5+CSS3 with jQuery as helper along other small javascript libraries.
* The webapp is mobile friendly but no adaptative or responsive.
* Hybrid app, available for iOS (Enterprise Deployment) and was written using Phonegap as core. Uses Google Maps library and Mapbox API for tracking and layering purposes. Uses localstorage, OnsenUI,
jQuery also for local data management in order to keep data usage to minimum (remote locations lacks of 4G or 3G connections so they rely on EDGE mobile connections).
* Uses minimal data transmition techniques (splitted and mirrored databases) to allow sync the less data possible.
* Backend included, written on PHP and the UI is based on Bootstrap. All the modules are MVC based.

FlexTek Resources   December 2010 - December 2012
Web Developer / Networking Engineer   Different Locations

At Flextek Resources, Ltd I performed as External First-Contact IT Agent
for several clients all over México and Latinamerica; I got assigned on-site for networking tasks (voice and data) for Mead Johnson. Travelled across Latinamerica working for CESSNA and other clients doing onsite research for their networking enrivonments.

* Cisco CCSP certified, specialized on wireless networks.
* Project manager, bilingual specialist for Latinamerica customers.
* Data and voice network design and implementations.
* Self-driven, objective focused and customer-needs oriented

Project 1 – CreditoSi Mobile App
Project 2 – CreditoPersonal Webservices
Project 3 – Diverza's Factor WOW Project
Project 4 – PepsiCo's Doritos: La Experiencia
Project 5 – PepsiCo's Cheetos, el gran sabor a queso

GE Money   May 2006 - December 2010
Networking Engineer   Monterrey, NL, MX

Datacenter Administrator, Responsible for Network Data and Voice Services, Contact
with ThirdParty ISP Carriers, Network Designer and First Contact for Troubleshooting in-
site and Level 3 in GE Corporate GIS Team. Facilitator, Designer and Leader of DRP
Exercise between 2008 and 2010. Level 2 Support for Linux and Windows
Environments, Level 1 Support Administrator for VMWare Virtual Appliances,
Administrator of the Knowledge Center and Quality Process in GE Capital Mexico.

During my participation on this company, troubleshooting on TCP/IP environment took
many of my days. As network administrator my priority was to provide reliable network
connections by avoiding traffic jams, analyzing traffic beacons and assuring VoIP travels
successfully using the best QoS configuration. Establishing security guidelines to
assure speed and free- errors environment was a great success using the factors
described in Cisco's document Best Practices for High-End Network Facilities. Traffic
analysis as a part for troubleshooting and Link stress/testing was done using traffic-
generator tools, in order to analyze the working pattern of new data link and Firewall
rules. Redesign of the Mexico's wireless network was prepared using simulators,
something that later reduced implementation time and cost . The great synergy between
Getronics and us made the installation a success on both buildings. Design,
implementation and support for the first wireless network on our business, with
coverage of 5 floors divided 2 in Mexico DF and 3 in Monterrey. Network testing and
troubleshooting software tools such Cisco Lan Manager, Wireshark Network Analyzer
and Cisco Network Assistant have been very useful during my work in order to simulate
network scenarios and reproduce problems from the production network.

ASCI Inc, / HP   October 2005 - May 2006
Software Engineer   Guadalajara, Jal, MX

Team Leader tester for HP Web JetAdmin application conducting software and interface
testing. Usability Advisor Designer and Testing Plan developer.

Responsibilities: Testing plan designer as well Team Leader of Unix testing area.
Usability advisor designer for user interfaces on printers, IT facilitator on virtual
appliances and management of Linux and Unix testing environments. UML design for
process.

Key Features: Developed testing plans and designed test cases to validate the product's quality and the fulfillment of end user requirements. During this experience I learned about the important of thorough test execution and detailed test case design, automated tests, bug reporting tools, regressions and smoke tests.
Technology and Tools used: Rational Rose, Red Hat Linux Enterprise, Rational Functional Tester.