

DANIEL A. ALVAREZ A.

Senior Software Engineer · iOS, Android Developer
<https://alvarez.tech>

I am a software engineer with over ten years of experience. I have developed world-class iOS and Android applications for different areas such as healthcare, finance, IoT, retail, and government. Developed SDKs for Android and iOS, created native plugins for hybrid mobile frameworks, and automated development processes.

I use my deep knowledge in both platforms to sync features, optimize resources usage, and lead teams. My specialty is mobile development, but I've developed on several other technologies and languages in my career. Outside of work, I create personal projects where I test new technologies, methodologies, and frameworks.

WORK EXPERIENCE

Dexcom Inc. / SDK Software Engineer 2021 - Present

- Developed several components of the Partners SDK Mobile for Dexcom G6 CGM (Continuous Glucose Monitoring). Native iOS and Android SDK for the wearable for glucose monitoring in patients with diabetes.
- Built and rolled out testing tools and wrote multiple integration tests.
- Automated testing, generation of artifacts, reports and docs using Github Actions. Led Github Actions migration from Jenkins and Bamboo. Python, Node.js scripts.

Huawei Technologies Co., Ltd. / Software Engineer 2020

- Led the HMS (Huawei Mobile Services) implementation in the top applications in the region, financial, e-commerce, and delivery apps.
- Developed and rolled out a toolkit app to explore and detect the different available features of HMS and GMS (aka Google Mobile Services) on mobile devices.
- Created advanced guides and tutorials as a Developer Advocate.

Jalasoftware SRL / Staff Software Engineer 2018 - 2020

- Developed iOS and Android apps with Obj-C, Swift, Java and Kotlin. Implemented Node.js and Java backend tools.
- Rolled out world-class Retail, e-commerce apps. Location tracking, hardware connections, notifications, bulk data, real-time communication with SignalR.
- Led the migration of some apps from Obj-C to Swift and from Java to Kotlin. Preserved functionality and interoperability between languages in each release.
- Automated Unit & UI Testing. CI/CD with Azure DevOps.
- Led first Mobile Bootcamp. I taught React Native, iOS, Android development, project management, Agile methodology, Scrum, CI/CD with GitLab and DDD (Domain-driven design).

Mojix Inc. / Senior Software Engineer 2017

- Developed native IoT and Retail iOS and Android apps that used RFID technology.
- Developed Ionic hybrid plugins for bluetooth connections for RFID and Barcode readers (TSL, Zebra).
- Improved the performance of mobile apps to display bulk data. Implemented the MQTT protocol for real-time communication.

AGETIC: Agencia Gobierno Electrónico y Tecnologías de Información y Comunicación / Senior Consultant Professional Services 2016 - 2017

- Developed several modules of a law management software with real-time features. Government Software.
- AngularJS, Angular 2, PostgreSQL databases, realtime communication with web sockets.

Daza Software S.A. / Mobile Project Lead 2013 - 2016

- Led mobile projects. Creation of financial native apps for iOS and Android.
- Developed iOS, Android financial applications, stock market software for stock agencies, investment funds agencies.
- Integrated multiple APIs and services from different financial institutions.
- SOAP web services, Java apps, Oracle databases.

Ketanolab SRL / Android Developer 2012

- Developed native Android apps with Java.
- Built and rolled out open source applications like Simidic, the first mobile dictionary of native languages.

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February 17, 1990

BC, México

Open to relocation

SKILLS

PROGRAMMING

Swift, Kotlin, Objective-C, Java, Python, JavaScript

TECHNOLOGIES & TOOLS

AWS, GCP, Node.js, Angular, React Native, Ionic, Cordova, Flutter, SQL, GraphQL, Realm, Git HMS, GMS, Firebase JAMStack, MEAN Stack

AUTOMATION

GitHub Actions, GitLab CI/CD, Azure DevOps, Bamboo

LANGUAGES

English, Spanish

VISA

USA B1/B2 Visa

MEX Work Visa

EDUCATION

Bachelor of Computer Science *December 2012*
Higher University of San Andrés.

Diploma in Higher Education *2016*
Higher University of San Andrés.

AWARDS

Diploma of Honor *2007*
Best student grade average. Higher University of San Andres.

Assistant Professor at College, Data Structure and Algorithms *2011 - 2012*
Assistant Professor at College, Algorithms and Programming *2010 - 2011*
Assistant Professor at College, Computer Science Introduction *2011 - 2012*

COMPLEMENTARY EXPERIENCE

Jalasoftware SRL / Bootcamp Mobile Lead & Trainer *2019*

- Taught React Native, iOS, Android development, project management, Agile methodology, Scrum, CI/CD with GitLab and DDD (Domain-driven design).

TEKHNE Academy / iOS Trainer *2017*

- Taught iOS development with Swift, Core Data, WebServices REST, Keychain Services, MapKit, CocoaPods, Alamofire.

Institute of Computer Science Research, Higher University of San Andrés / Android Trainer *2017*

- Taught Localization Services in Android course. Google Play Services, Google Maps, Google Places, Geofences API, Activity Recognition API, Geocoder.
- Taught Networking in Android course. XML, JSON parsing, GSON. Threads, AsyncTasks, Loaders. Consume APIs, Web Services. Glide, Retrofit, RxAndroid.

Department of Postgraduate in Computer Science, Higher University of San Andrés / Android Trainer *2012*

- Taught Android mobile development. Android course first and second version.

Higher University of San Andrés / Java Trainer *2010*

- Taught Java, OOP. Java course first and second version.

SOME PERSONAL PROJECTS

Founder, Community Lead at Android Bolivia *Since February 2011*

First Android developer community in Bolivia. Currently a Google Developer Group.

I built up a local group of hundreds of developers, organized 20+ events, created multiple free courses.

Co-Founder, Community Lead at Code Apple *Since May 2013*

Recognized Apple User Group.

My website

I share some projects and content I develop in my spare time. Software development resources, video tutorials. The site was built with different frameworks and services, Angular, Gatsby, Swift Publish, and currently with Next.js.

alvarez.tech

Other small personal projects on: alvarez.tech/projects/

Some talks and conferences as speaker on: alvarez.tech/talks/