

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.

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.

Jalasoft 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.

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.

Computer Science Postgraduate division, U.M.S.A. / Software Developer *2012*

- Developed Android apps for the postgraduate department. Used PostgreSQL, MySQL databases for the backend. PHP 5 and Java SE 6.

Cirrus Information Technology / Software Developer *2010 - 2011*

- Developed Java SE 6 applications, web applications with Java EE 5 and Sprint Framework. PHP and CakePHP. Created some sample apps with Java ME.

daniel@alvarez.tech

+52 664 577 6040

GitHub: [alvareztech](#)

LinkedIn: [alvareztech](#)

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

Jalasoft SRL / Bootcamp Mobile Lead & Trainer *2019*
· React Native, iOS, Android development, project management, Agile methodology, Scrum, CI/CD with GitLab and DDD (Domain-driven design).

TEKHNE Academy / iOS Trainer *2017*
· Swift, Core Data, WebServices REST, Keychain Services, MapKit, CocoaPods, Alamofire.

Institute of Computer Science Research, Higher University of San Andrés / Android Trainer *2017*
· Localization Services for Android Course. Google Play Services, Google Maps, Google Places, Geofences API, Activity Recognition API, Geocoder.
· Android Networking 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*
· Course of Android mobile development. First and second version.

Higher University of San Andrés / Java Trainer *2010*
· Java, OOP 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 small projects and content I develop in my spare time. Software development resources, video tutorials. The site was built with different frameworks, Angular, 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/