

# Vithorio Polten - Android Engineer

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Android since 2013, Kotliner since 2016, I've contributed to more than 30 projects in the past 8 years, some of those including iOS, Backend or Web Frontend development as well. Highly interested in collaborative, growth cultures, where learning is encouraged and expected. Known for my Developer Advocacy behavior, in the teams around me, as one of the long-term benefits of my professional legacy.

## Recent Experience

### **ANDROID ENGINEER, [UNDISCLOSED FINTECH] – CURRENT**

Temporary contract in a banking fintech. NDA.

- Implement from ground a new, independent, feature of payment with third-party's hardware integration
- Bug-fixing, cleanup and refactor in the main project and in the legacy, achieving 99% crash-free (from 96%)
- Consultancy for a modularization effort, with architecture proposal, to solve and alleviate current pain-points
- Present mini-workshops about Android Lifecycle, and Jetpack Compose

### **MOBILE ENGINEER, RENTCARS – 09/2020 - CURRENT**

Initially hired as Android-only, later became the only developer for Android and iOS. Most of my activities are related to implementing or changing payment systems, bug and security fixes, with many small features.

- Migration in payments system to support PSD2/3DS2 (initially supporting Adyen+WorldPay) without downtime, and keeping legacy system intact
- Refactor of the whole login/session as a new module, removing known app-only vulnerabilities and supporting the new, safer, auth system api
- Discovered an anti-fraud system's early corruption, that would eventually destroy 6 years worth of database, presented report had validation of issue, in which platforms and systems, and corrosion estimate
- Implemented 6 new payment methods, worldwide or local reach, with dynamic components switching triggers, cashback and similar features
- Legacy Java/Obj-C migration to Kotlin/Swift to remove legacy vulnerable/deprecated libraries and match the rest of the codebase

### **REMOTE ANDROID DEVELOPER, PIPEFY – 03/2020**

We were hired to create a new mobile experience from the ground, replacing the old hybrid app, with a more friendly, performant and extensible, native app.

- Highly dynamic UI (Layout and components hierarchy defined per request)
- Multiple visualization strategies (list/board)
- Definition of the Design System with the design/UX team, and implementing the Components per definition
- Experience-first, feature by feature product reevaluation, release and experimentation
- Created the PR templates and CI workflows, in Gitlab, with danger/kotlin automated code review reports

### **ANDROID DEVELOPER, GFT – 10/2019 - 02/2020**

Working as a consultancy resource to many financial business, ranging from big established banks to vivid startups. Mostly bug fixes and security layers.

- Implemented a retro-compatible Biometric Storage Layer for Support Library 28, based on modern AndroidX's Biometric solution.

## LEAD MOBILE DEVELOPER, AUSPEX – 02/2018 - 04/2019

This project was a MVP for a smart Personal Finances Management, a partnership with a big Brazilian old-school bank, our goal, with them, was to bring innovation and know-how to their own field.

- Led 5 developers in native Android & iOS (Java & Swift, MVVM), providing tech training and mentorship
- B2B Integration, with emphasis on security, leading from APIs to Mobile final integration
- Automated workflow with Bitbucket Pull Requests and Bitrise
- Helping hand in the backend (Spring Framework and Django)

## Knowledge Cloud (Mostly for bots)

Android Development: Kotlin, Jetpack Compose, Coroutines, Java, Gradle, Kotlin Gradle DSL, AAC, Dagger, AndroidX, JUnit, detekt, RxJava, OkHttp, Retrofit, WebSockets, WebRTC, MVP, MVVM, Firebase;

iOS: Swift, CocoaPods, Alamofire, URLSession, RxSwift, Fastlane, Kingfisher;

Backend: Flask, Django, Spring, AdonisJS, Lambda Functions, Docker and basic Orchestration;

Other: SQL (Mostly Room, Sqlite & Postgres), KMM, Elixir, Vanilla JS, SASS, HTML, Git, ZSH <3, Kanban, Scrum;

## Education

BEPiD - Brazil Education Program for iOS Development, PUCPR – 2015-2016 / 2016-2017

Now known as ADA (Apple Developer Academy) is a partnership between Apple and Universities for iOS Development training.

- First year: Events and Indoor Location for Alumni.
- Veteran: Talent Discovery, kind of a LinkedIn for Universities with career planning.
- Both projects Swift, and backend in Django.

Bachelor in Information Systems, PUCPR – mid/2012 - 2016 (**Locked in last year**)

With huge impact on critical thinking, this course provided foundations in understanding systems, analyzing requirements, architecting solutions that matter and had, at the same time, a good balance with a relatively vast technical side. From HTML to basic Lambda Calculus, Java, Python, C#, C++, PHP, JS, SQL, Security and many more practical skills, we were taught to question, understand and iterate solutions using adequate Tools, Data Structures, Design Patterns, Complexity levels, Operational Systems, Testing, Collaboration Roles and so on.

## Additional Highlights

- Investing effort into Kotlin Multiplatform solutions and into Jetpack Compose;
- Experience and interest in automating development workflows, including multi-environment versioning, PR, CI/CD, quality assurance and making this effort collaborative, increasing adoption, while keeping flexibilities and advantages of each stack/team;
- Wide expertise acquired working in traditional, freelancing and personal projects, featuring: Offline-first, Media Streaming, Chat and Video calling, Social Networks, Renting Platforms, Architecting Open-Source SDKs, Reverse Engineering, Business-to-business development and training, multidisciplinary teamwork (be it by squad or autonomous), continuous innovation or maintenance-heavy cultures, where some of the challenges and contributions I was able to be part and grow. And between successes and failures, I am keen to keep learning;
- Interested in expanding my open-source and community contributions, so an open-source friendly company is a great plus;
- 1-on-1s, feedback exchange and radical candor are welcome.