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ABOUT ME

A few years ago I took the determination to do what really passionate me, so I left my attorney career and followed technology and computer science.

EDUCATION AND CERTIFICATIONS

- **Android bootcamp badge**, Talento Digital, https://www.credly.com/badges/cc6bc067-4834-468d-9fc2-27c4ea2955ed?source=linked_in_profile

- **English upper intermediate** level (B2): https://cert.efset.org/pNEGCW

- **Facilitator certificate** for E-learning technological bootcamp.

EXPERIENCE

BL Trading SpA   **August 2022 to April 2024**

Insights: There I developed the system that integrates Mercado Libre information API.

Project: Is an integration with the Mercado Libre API, it uses a mocked backend from https://sellers-bltrading.cl system (developed by me as well) is the in-production system which shows the processes and results of stock movements from various global sellers.

Tasks performed: Build de backend for the database transactions just to make possible the information visible in the application.

Environment: In the original project uses a cloud server from Digital Ocean/AWS where is the PostgreSQL database and dockerized all the backend functionalities built for the application deployment data, but in the mobile mock version uses Firestore to mock the backend.

Source code: https://github.com/jardindunoix/global-seller-admin/.

"Electric vehicle charger"   **April to August 2024**

<u>Insights</u>: Is a clone application from my dependent work in <u>Dhemax</u> which is an IT company located in Chile (https://www.dhemax.com/en) where I was a mobile developer between April to August in 2023. Using Jira as a scrum job admin.

The mobile team size were three mobile developers (2 android and 1 IOS) plus one Quality assurance tester, one UI/UX designer a backend team and one Product Manager. So, I'm experienced collaborating with designers and UX experts.

<u>Project</u>: This app performs a useful use case when an electric car owner needs a public charger. It indicates the progression in the charge, connectors available (also its positions in real time), the record of previous charges, and all the information related with the customer charges.

<u>Tasks performed</u>: It works with a mocked backend from Firestore which response all the data.

Is essential the data flow immediacy because, the use case is that the customer charging his car and we need to give him the status of it.

<u>Environment</u>: Important use of StateFlows and Coroutines for async work. State management. Also, I use google maps API to locate the charging points.

<u>Source code</u>: https://github.com/jardindunoix/chargerapp/.

<div align="center">PROJECTS</div>

"Monitor Político"   **August to October 2024**

<u>Project</u>: It is a backend-agnostic project that uses web scraping to get the data and retrieves the congressmen information.

<u>Tasks performed</u>: I maintain the endpoints updated and the web scraping structure in the software.

I use persistence with Room which is used immediate after every network call to keep the immediacy of the UI response.

<u>Environment</u>: Kotlin for mobile development and JSoup for web scraping.

<u>Source Code</u>: https://github.com/jardindunoix/monitor_politico.

<div align="center">TECHNICAL SKILLS</div>

- Programming languages and Scripting: kotlin, java, javascript, bash, sql.
- Developer tools: Android Studio, Visual Studio Code, IntelliJ IDEA, Vim.
- Version control system (VCS) with Git; repositories in GitHub and Bitbucket.
- Familiarity with Agile/Scrum management with JIRA.
- Applications published into the Play Store. Familiarity with the process.
- Software architecture: MVVM, MVC, MVP and MVI. Design Patterns: builder, singleton, adapter, observer, interceptor, factory.
- Unit and Integration Testing with Junit, Espresso, Mockito, UI testing.
- Automated testing / Continuous Integration and delivery (ci-cd) with GitHub actions and Jenkins.

- Asynchronous work: concurrency blockers, coroutines, LiveData, Flows, RxJava.
- Services, Broadcast Receiver, Work Manager, implicit broadcast exceptions, Battery optimization, Foreground Services, Tasks Scheduling, Sequential background tasks, Network timeout, Connection cancel request, Job Scheduler.
- Network with Retrofit and okHttp, custom interceptors for headers app wide.
- Debugging in Android Studio, Identifying and correcting bottlenecks to fix bugs.
- Intents, Permissions handling, Authentication, Caching strategy, Push Notifications.
- Gradle with groovy and kotlin, using Version Catalog, obfuscation, and optimization.
- Dependency injection with Dagger hilt.
- Persistence: ROOM and RealmDB.
- UI programming skills: Jetpack Compose: Pagination, dark/light screens themes, dialogs, collapsing toolbar, swiping images, clickable/draggable spinner, keyframe animation, animated vector drawable, shape shifter, support for multiple screens, XML, navigation graph. Activities and Fragments, lifecycle management.
- Crashlytics, Firebase, Supabase.
- Docker, Databases like PostgreSQL, MySQL, MongoDB, Node/Express, ReactJS, cloud admin with AWS and Digital Ocean, SpringBoot with Java, Creating and maintaining comprehensive documentation.

REFERENCES

- **Suker Jiménez**, a former boss. Who is working in KEYLOGISTICS CHILE nowadays: suker.jimenez@gmail.com linkedin.com/in/suker-jiménez-98a10b70
- **Christian Magro Pérez**, General Manager in Águila Digital: linkedin.com/in/christian-magro-perez
- **Gonzalo Swinburn**: BL Trading CEO, linkedin.com/in/gonzalo-swinburn-23a9518b