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Mobile developer with over 4 years of experience. I develop scalable and easy-to-maintain solutions using React Native and native technologies. My expertise includes creating apps that integrate with IoT devices, such as smartwatches, delivering solutions that enhance user experiences and generate significant business impact.

At Radix Engineering and Software, I have contributed to the development of multiple flagship applications for the Technos Group, one of the largest watch companies in Brazil. These include:

[Mormaii Smartwatches](#)

[Touch Smart](#)

[Technos Connect](#)

These apps are used by thousands of users monthly, enabling them to configure smartwatch features, monitor fitness activities, and access essential information. I am passionate about developing products that directly impact users' lives, combining innovation and performance.

EXPERIENCE

Radix Engineering and Software — *Software Engineer III*

JULY DE 2020 - PRESENT

Allocated in the Technos project, I develop mobile and web solutions with the aim of retrieving information and configuring settings on the company's smartwatches. Throughout this period, I was able to contribute to several activities and improvements, such as:

- Leadership of the team in the creation and development of two mobile applications that currently make up significantly the Technos group's revenue;
- Launch of more than 10 watches in various company applications;
- Refactoring of the exercise flow in the app, migrating to a native architecture with Kotlin and Objective-C (through the creation of a native package for react native). Using this architecture guaranteed better performance for the end user and better usability in the application;
- Creation of several libraries for the project. I highlight here the library of visual components that reduced the development time of new projects based on code reuse.
- Creation of pipelines in bitrise that automate the flow of generating test builds and sending applications to stores in apps with more than 100 thousand active users monthly.

React Native Tools and technologies: Typescript, Styled Components, ContextApi, Jest + React Testing Library, Creation and manipulation of libraries, Native Components, Native Modules and others.

Native Tools and technologies: Kotlin, Objective C, Foreground Services, Fused Location Provider, Room Database, Bluetooth Profiles, WorkManager, AlarmManager, Apple Health, Android Health Connect and others.

Ci/Cd and third party services: Bitrise, Azure Pipelines, Firebase, Keycloak, New Relic, SonarQube, and others.

La Salle Abel School — Mobile Development Internship

SEPTEMBER 2019 - JULY 2020

I developed native mobile applications that helped the educational projects proposed by teachers. Throughout this period, I was able to contribute to various activities, such as:

- Development of mathematics games used in internal competitions between classes at the institution;
- Development of an application that consumed the Cloud Vision API transforming images (screenshot of the user's handwriting) into text and later into voice. Students with literacy difficulties used this tool to improve their writing and check for points of failure;

Tools and technologies: Java, Kotlin, Firebase, Retrofit, and others.

EDUCATION

Federal Fluminense University, Computer Science — Bachelor's Degree

JULY DE 2017 - JULY DE 2023

Graduated in Computer Science of Universidade Federal Fluminense - UFF.

EXTRA COURSES

Android Architecture Components: ViewModel, LiveData and Room Database, Alura 30 hours

DECEMBER 2021 - JANUARY 2021

Development of Android applications with Kotlin using practices recommended by Google.

React Native, Alura 30 hours

JULY 2021 - AUGUST 2021

Understanding hooks, jsx and main React Native APIs.

Android Development, Udemy - 40 hours

JULY 2019 - SEPTEMBER 2019

Development of native mobile applications using Android Studio. Manipulation of layouts, media, storage, as well as other requirements for creating applications.

PROJECTS

With the aim of exploring technologies that are not in my professional projects, I have been working on personal projects:

GigHelper

React Native application that uses the Midi protocol to configure the change of timbres of musical instruments during a show.

Main technologies: React Native, Zustand, Styled Components and Turbo Modules.

Aluno Presente

Application created with the aim of replacing the manual flow of student attendance registration at Universidade Federal Fluminense.

Main technologies: React Native, WebSockets and Styled Components.

This and other projects can be found on my github: <https://github.com/jsimonassi>

OTHER ACTIVITIES

Working on open source projects

Whenever it makes sense, I work on open source projects. My last contribution was to the react native permissions library, ensuring support for new versions of android. Release link:

<https://github.com/zoontek/react-native-permissions/releases/tag/3.1.0>

LANGUAGES

English - B2

Inglês - CNA

JANUARY 2017 - DECEMBER 2017

Lucas Maffei (Particular)

AUGUST 2023 - PRESENT