

Alysson Cirilo Silva

SOFTWARE ENGINEER + ANDROID DEVELOPER

Remote (UTC-3), Brazil

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Experience

Microsoft

Remote, Brazil

Mar. 2025 – Present

SENIOR SOFTWARE ENGINEER

- Transitioned from Android to web, working on Microsoft Copilot with **React** and **TypeScript**.
- Reduced perceived loading time by preloading home content earlier in the app lifecycle.
- Enabled shadow traffic for a critical service, allowing backend team to validate infrastructure and catch a blocking bug pre-launch.
- Developed a refresh mechanism for AI prompts based on app context changes.
- Identified a bug in an experimental memory measurement API and collaborated with Edge engineers to validate it, leading to a fix via an upstream PR to Chromium.

SOFTWARE ENGINEER II

Jul. 2022 – Mar. 2025

- Worked on a geographically distributed team delivering features on the voice assistant in Outlook Android app.
- Enabled consistent Microsoft Copilot experience across multiple mobile apps by developing an SDK using **Jetpack Compose**,
- Improved code maintainability by adapting a callback-based SDK to **Kotlin Flow**, simplifying the codebase.
- Optimized code review workflow by integrating a common set of static analysis and lint rules across all libraries on the project, enabling reviews to focus on architecturally significant decisions rather than small details.
- Achieved a 57% improvement in CI pipeline performance by identifying and decomposing independent work into parallel jobs and properly configuring **Gradle** builds.

iFood

Remote, Brazil

ANDROID DEVELOPER II

Apr. 2022 – Jul. 2022

- Improved developer experience and productivity by implementing a dependency injection model for checkout plugins, replacing the previously, inefficient, manual injection approach.
- Improved user engagement and feature adoption by implementing dynamic onboarding feature, allowing PMs to control the order and timing of onboarding based on remote configs and plugin availability.

ANDROID DEVELOPER I

May. 2021 – Apr. 2022

- Worked at the checkout team on a **single-activity**, plugin-based architecture based on **Dagger**.
- Created a script to manage code ownership, making the process less error-prone given the frequency teams structure changes.

Meta (Consulting Company)

Remote, Brazil

ANDROID DEVELOPER

Sep. 2020 – May. 2021

- Delivered a digital wallet and credit card rewards app for a major bank in Brazil, using Coroutines and **Koin**, while also integrating a code coverage tool into the app's **multi-module** structure to enhance maintainability and testing.
- Enhanced app security by implementing a digital signature subsystem for all HTTP requests using **OkHttp interceptors**.
- Designed a testable biometric authentication abstraction adapting the original callback syntax to coroutines.

State Department of Penitentiary Administration (SEAP-MA)

São Luís - MA, Brazil

MID-LEVEL DEVELOPER

Jul. 2020 – Sep. 2020

- Significantly enhanced system security by proactively identifying and eliminating critical SQL injection vulnerabilities,

ENTRY-LEVEL DEVELOPER

Sep. 2019 – Jul. 2020

- Enhanced system maintainability by developing a **Spring Boot** backend with **MongoDB**, creating a unified and flexible API for history tracking across multiple systems, simplifying feature development and eliminating numerous legacy history tables.
- Ensured compliance with legal requirements and avoided significant fines during the COVID-19 pandemic by enabling families to schedule virtual visits with incarcerated relatives through a **Clean Architecture** Android app using **Kotlin** and **Coroutines**.

Projects & Publications

- **Resume** : The tool that built the resumé that you are reading right now.
- **Cirilo's Algorithm** : An algorithm for finding the smallest pair of values between two unsorted arrays.
- **Jetpack Compose – Don't throw your presenters off** : Article about using model-view-presenter (MVP) on Jetpack Compose.
- **Versioning your Android app like a leetcode problem** : Having some fun with bit manipulation :)

Education

Federal University of Maranhão (UFMA)

São Luís - MA, Brazil

BSc. IN COMPUTER SCIENCE

2013 – 2019