# Alysson Cirilo Silva

Software Engineer ✦ Android Developer

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Remote (UTC-3), Brazil

## Experience

- **Microsoft** **Remote, Brazil**
  *Senior Software Engineer* *Mar. 2025 – Present*
  *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 Secretariat for Penitentiary Administration of Maranhão (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**.
- **Laboratory of Intelligent Distributed Systems (LSDi)** **São Luís - MA, Brazil**
  *Intern* *Apr. 2017 – Jul. 2019*
  - Designed and implemented an IoT solution for building occupancy detection, using Android devices and **Arduino**-powered BLE beacons to identify interactions. Events were processed and published to a backend system built with **Spring Boot**, leveraging **Retrofit**.

## 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.
- **Internet of Things Applied to Presence and Meeting Management of People in Smart Buildings**: Paper on mobile computing and IoT.

## Education

- **Federal University of Maranhão (UFMA)** **São Luís - MA, Brazil**
  *BSc. in Computer Science* *2013 – 2019*