

# Alysson Cirilo Silva

Software Engineer + Android Developer

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📍 Remote (UTC-3), Brazil [↗](#)

## EXPERIENCE

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- **Microsoft** [↗](#)

*Senior Software Engineer* Remote, Brazil  
*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** [↗](#)

*Android Developer II* Remote, Brazil  
*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)** [↗](#)

*Android Developer* Remote, Brazil  
*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)** [↗](#)

*Mid-level Developer* São Luís - MA, Brazil  
*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)** [↗](#)

*Intern* São Luís - MA, Brazil  
*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

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- **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

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- **Federal University of Maranhão (UFMA)** [↗](#)

*BSc. in Computer Science* São Luís - MA, Brazil  
*2013 – 2019*