Romildo Rodrigues da Silva Regis Júnior

Guarabira, PB, Brazil | +55 (83) 993690377

romildo-rrj@hotmail.com | [LinkedIn Profile] | [GitHub Profile]

SUMMARY

Computer Science student and Aspiring Android Developer with a strong foundation in Mathematics (Calculus/Optimization) and Algorithms. Proficient in Kotlin and Jetpack Compose, focused on building accessible and responsive mobile applications. Fluent in English and Intermediate in Mandarin Chinese (HSK3).

TECHNICAL SKILLS

- **Mobile Development:** Android (Kotlin), Jetpack Compose, MVVM Architecture, Repository Pattern, StateFlow, Adaptive Layouts.
- **Languages:** Kotlin, Java, Python, JavaScript.
- +4
- **Web & Backend:** React, Node.js, Firebase (Auth), MySQL, REST APIs.
- +2
- **Tools:** Git, GitHub, Unit Testing (unittest), Room, Material 3, Semantics API.

EDUCATION

B.S. in Computer Science | Federal University of Paraíba (UFPB)

Expected Graduation: 2028

RELEVANT EXPERIENCE

Scientific Initiation Researcher (Optimization) | UFPB

Feb 2024 – Present

- Researching Linear Programming and the **Simplex Method** applied to the Nurse Scheduling Problem (NSP).
- +1
- Developing mathematical models to optimize evaluator distribution in scientific events (ENIC), managing constraints and preventing schedule conflicts.
- Previously researched the Cutting Stock Problem using the Dantzig-Wolfe decomposition method.

Teaching Assistant (Calculus I) | UFPB

Aug 2023 – Present

- Providing academic support for 4+ undergraduate students in limits, derivatives, and integrals.

- +1
- Creating support materials and exercises to improve students' logical reasoning and academic performance.

SELECTED PROJECTS

ExploreGuarabira (Android Guide) | Kotlin, Jetpack Compose, MVVM

- Developed a modern urban guide using **Material 3** and **Adaptive Layouts** (Master-Detail) for phones, tablets, and foldables.
- Implemented **Clean Architecture** (Repository Pattern, DataSource) and reactive UI with **StateFlow**.
- Integrated **Acessibilidade** (Semantics API) and asynchronous image loading with **Coil**.

Weatherly (Weather Forecast) | *React, JavaScript, OpenWeather API*

- Built a responsive web app with real-time data integration and geolocation support.
- Visualized temperature trends using **Recharts.js** for 5-day hourly forecasts.

PyCash (POS System) | *Python, Tkinter, MySQL*

- Developed a desktop Point of Sale system with automated total calculations and change processing.
- Implemented secure transaction simulations and automated unit testing with the **unittest** framework.

TravelCard | *Full-stack, Node.js, Firebase*

- Created a travel destination gallery with dynamic data loading and user authentication via **Firebase Auth**.
- Designed a responsive UI using Flexbox/Grid for a seamless cross-device experience.

LANGUAGES & CERTIFICATIONS

- **Languages:** English (Fluent - 200h); Mandarin Chinese (Intermediate - HSK3).
- +4
- **Certifications:** Emotional Intelligence 2.0 (Conquer), Time Management, Public Speaking
- +2
- **Events:** Google I/O Extended 2024, Devfest Nordeste 2023