

Samuel Bautista

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GitHub Profile

LinkedIn Profile

EDUCATION

•Bachelor of Science in Computer Systems Engineering

Escuela Superior de Cómputo, Mexico City

2020-24

CGPA: 80/100

EXPERIENCE

•McDonald's Global Office

Mobile Software Engineer

Sep 2025 - Curr

Mexico City

- **Technical Migration:** Implemented the migration for existing screens in XML-views to Compose views, also renewed the deprecated local database for a new technology, increasing the information consumption by 20%.
- **Modernization:** Implemented the new redesign for loyalty module on global mobile app, given support in various markets like the US, UK, CA, and AU.
- **Quality Assurance and test coverage:** Elevated code reliability for the Loyalty module by increasing test coverage by 80%, implementing comprehensive unit and integration tests that significantly reduced production regressions.

•MetLife

Mobile Software Engineer

Apr 2025 - Sep 2025

Mexico City

- **Technical Migration & Modernization:** Orchestrated the complete migration of the main sales app from Cordova/-JavaScript to React Native/TypeScript, modernizing the tech stack and improving performance.
- **Leadership and Project Management:** Managed a migration of key features from a legacy system to the client's main sales mobile app, improving the user activities and reducing errors in those activities by 10% .
- **Quality Assurance and Security:** Integrated Veracode scans directly into the deployment pipeline, automating security assessments for every build and enhancing application security posture.

•TCS

Mobile Software Engineer

Feb 2024 - Apr 2025

Mexico City

- **Technical Skills:** Proficient in mobile development using technologies like Cordova, JavaScript, and React. Expertise in migrating features from legacy systems to modern mobile applications.
- **Leadership and Project Management:** Managed a migration of key features from a legacy system to the client's main sales mobile app, improving the user activities and reducing errors in those activities by 10% .
- **Quality Assurance and Security:** Identified and addressed security vulnerabilities to enhance application security.

PERSONAL PROJECTS

•IPN Parking App

An Android mobile app-based access control system for students at my university and their vehicles.

Android, Kotlin, Jetpack Compose

- Has 3 main users: Admin, Vigilant, and Parking User
- Allows parking users to identify themselves using NFC communication or QR code to enter/exit from parking.
- Allows vigilant users to identify parking users with an account and access card using NFC or QR code.
- Allows vigilant users to generate visits to use the parking with personal info and vehicle info taken.
- Helps vigilant users to locate parking entries/exits by users and dates.
- Allows admin users to generate accounts and access cards to use the mobile app.

•Pills App

A mobile app-based inventory control system to manage your medicines.

Dart, Flutter, Golang

- Shows a list of medicines in your house.
- Allows adding new medicines with their name, dose, content, expiry date, and active compounds.
- Notifies about expired medicines.
- Helps with the searching using each active compound of every medicine.
- Custom backend implemented in Golang, Pills backend.

•Kinder Garden App

Daily report for the people in charge to register aspects and children's activities.

Android, Jetpack Compose

- Conducted thorough user research to understand the needs and preferences of teachers and relatives, ensuring the app's functionalities catered to their requirements.
- Developed the mobile app from concept to completion, actively involved in the entire development lifecycle.
- Implemented features to enable teachers to report on various aspects, including children's attitudes, meals, restroom activities, and incident notifications.

TECHNICAL SKILLS AND INTERESTS

Programming: Kotlin, Java, Dart, Swift, Laravel

Technologies: Android, Jetpack Compose, XML-Views, Firebase, GitHub, Git, SQLite, Google Play Console, MySQL, Zsh Shell.