

Seth Aldwin Tolentino

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Portfolio: <https://sethaldwin.netlify.app/>

WORK EXPERIENCE

ANDROID DEVELOPER | ROPALI CORPORATION | JAN 2023 – PRESENT

SKILLS APPLIED:

Android Studio | Java | Kotlin | Jetpack Compose | XML | Figma | Material Design | Live Data | CameraX | ML Kit | OpenCV | Google Map | Retrofit | Room DB | Firebase | Postman | Gitlab

- Working on projects where I've effectively combined **Java** and **Kotlin** codebases, ensuring smooth communication and minimizing compatibility issues.
- Serving as the **sole** Android developer at Ropali, leading the end-to-end development of Android applications across multiple departments and business units.
- Developed a feature-rich Android **application for Ropali's sales department** to streamline sales processes and enhance team productivity.
- Led the **redesign and revamp of UI/UX for in-house Android applications** at Ropali Motorcycles, resulting in a more user-friendly and visually appealing experience.
- Developed a **native Android application** for Ropali's Group of Companies under the LUPA initiative, designed to support agricultural operations and field activities. The app featured **Google Maps integration** for real-time location tracking, **geolocation services** for site-based task assignments, **CameraX** for capturing field images, and **ML Kit** for barcode scanning and automated document processing. This solution improved operational efficiency and enhanced data accuracy for remote teams.
- **Maintained CI/CD processes**, enabling continuous integration and automated deployment to streamline the software development lifecycle and improve code quality.
- Developed a full-featured native **Android POS system** for Ropali's Group of Companies, designed for use at the Dino Discovery Park in Reina Mercedes, Isabela, under the LUPA initiative. This system streamlines visitor management, ticketing, and access control operations in a real-world environment. **Built and maintained three separate Android applications**, each tailored for specific operational roles. First, tablet POS **app for cashiers** to manage ticket sales, wristband issuance and queue monitoring, and to record customer information and attraction-specific sales data for analytics

and reporting. Second, mobile POS terminal **app for staff handling ticket queues**, enabling fast, on-the-go ticket validation and scanning. Third, mobile POS **app for food stalls**, designed to facilitate seamless cash and e-wallet payments, while accurately recording sales transactions and ensuring efficient service flow.

ANDROID DEVELOPER | AIX | JUN 2022 – OCT 2022

SKILLS APPLIED:

Android Studio | Kotlin | KMM | Jetpack Compose | Clean Architecture | MVVM | Adobe XD | Material Design | Kotlin Coroutines | Live Data | Firebase | Gitlab | XML

- Performed front-end development using **Material Design**, delivering intuitive and consistent user experiences across various client projects.
 - Leveraged **Kotlin Coroutines** for concurrent programming and **LiveData** for observing data changes, optimizing performance and reducing code complexity in Android applications.
 - Engaged in **Agile** development practices, contributing to Scrum meetings and using **Jira** to manage workflows, track issues, and ensure timely delivery of project milestones.
 - Utilized **XML** for defining and organizing UI components in Android applications, creating scalable and maintainable layouts that adhere to design standards.
 - Gained experience with **Kotlin Multiplatform Mobile (KMM)**, exploring its capabilities for sharing code between Android and iOS platforms and streamlining cross-platform development.
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Selected Projects

Pits Stop Paradise – Native Android Application (Personal Project)

Github repository: <https://github.com/Brave6/pit-stop-paradise>

SKILLS APPLIED:

Kotlin | MVVM, Hilt (Dagger), Coroutines, Flow, Retrofit, OkHttp, Jetpack Navigation, ViewBinding, DataStore, RecyclerView, Clean Architecture, Material Design, GitHub Actions CI/CD, MongoDB Atlas (backend database).

- Designed and implemented a modular **MVVM** architecture adhering to SOLID principles, ensuring scalability and maintainability.
- Integrated **Hilt** for dependency injection, creating reusable and testable components with clearly defined **DI** modules (NetworkModule, SessionModule).
- Implemented **RESTful** API communication using **Retrofit + OkHttp** with **Coroutines** and **Flow** for asynchronous, lifecycle-safe data handling.
- Connected to a backend powered by **MongoDB Atlas**, enabling secure cloud-based data storage and retrieval.
- Utilized Jetpack Navigation Component for type-safe and maintainable in-app navigation.
- Managed secure user authentication and session persistence with **Jetpack DataStore**.
- Built an interactive service catalog, special offers display, and booking system with RecyclerView adapters and custom view holders.
- Configured GitHub Actions CI/CD pipeline for automated builds and tests.
- Applied Material Design guidelines and ensured compatibility with **accessibility features** (TalkBack-ready).