Roan Miles D. Tanduyan

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EDUCATION

Ateneo de Davao University   Davao City, Philippines
Bachelor of Science in Information Technology   *June 2025*

RELEVANT EXPERIENCE

Internship
Jairosoft Inc.   Holy Trinity Avenue, Holy Trinity Village**,** Cabantian Davao City, Philippines
Mobile Developer   *Jan 2025 – Apr 2025*

- Developed core features of the Timesheet App using Kotlin and Jetpack Compose, including login, dashboard, and attendance tracking screens.
- Designed UI prototypes in Figma and implemented responsive layouts for various screen sizes.
- Integrated REST APIs using Retrofit for dynamic data fetching and display.
- Utilized Room Database and WorkManager for data persistence and background tasks.
- Participated in daily stand-ups and sprint demos, presenting project updates and collaborating in an Agile environment.

RELEVANT PROJECT EXPERIENCE

Inventory System for Physical Education Office   Davao City, Philippines
Systems Integration and Architecture Project   *Aug 2023 – May 2024*

- Developed an inventory and transaction system with 8 subsystems including profiling, borrowing and returning, monitoring the condition of equipment, and etc.
- Built a user and administrator dashboard to segregate users into the system and its corresponding purposes.
- Implemented user management and inventory organization for records.
- Performed extensive testing and debugging, ensuring system reliability and delivering scalable solution on schedule.

Dormitory and Boarding house bill monitoring system   Davao City, Philippines
Capstone Project   *Jan 2025 – Nov 2025*

- Developed a dormitory billing application utilizing Flutter and Arduino IoT technologies.
- Streamlined billing processes to ensure efficient resource management in dormitory settings.
- Integrated Flutter for a robust cross-platform framework and Arduino IoT devices for real-time monitoring and control of utilities.
- Implemented water sensors to monitor water usage and ACS712 & relay modules for precise electricity measurement and control
- Designed intuitive user interfaces for accessing billing information and managing resource consumption.
- Enhanced transparency and accountability through user-friendly features.
- Optimized resource allocation, promoted sustainability, and improved operational efficiency in dormitory management.

SKILLS

Language: Native proficiency in English, Filipino, and Cebuano
Programming & Development: HTML, CSS, JavaScript, TypeScript, Dart, Kotlin, Java, Python
Frameworks and Database: React.js, Native.js, Flutter, Django, Jetpack Compose PostgreSQL, MySQL
Tools: VS Code, Firebase, Android Studio, Figma, Git, Postman
AI Tools: Proficient in using AI tools for coding, debugging, and content generation
Design & Productivity Tools: Canva, Microsoft Office, Google Suite, Microsoft Office,