JAY FACTOLARIN ESMALLA

Full-Stack & Mobile Developer | Tagum City, Davao del Norte
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EDUCATION

UNIVERSITY OF MINDANAO - TAGUM COLLEGE — Tagum City
BS Computer Science, Major in Artificial Intelligence — 2023 - Present

WORK EXPERIENCE

TAGUM DOCTORS HOSPITAL — Tagum City
Full-Stack Developer Intern — 2026

UNIVERSITY OF MINDANAO - TAGUM COLLEGE — Tagum City
IT Support Student Assistant — 2023 - 2026

- Provided IT support for computer hardware, including workstation setup, PC troubleshooting, routine maintenance, and printer/peripheral support.

SELECTED PROJECTS

PRISM - PAYROLL & STAFF MANAGEMENT | React 19, Node.js, Express 5, MySQL 8

Built a hospital LAN-based payroll and staff-management system covering biometric attendance, shift scheduling, payroll workflows, approvals, payslips, and role-based access.

LAKBAYLOKAL (LAKBAI) | Expo, React Native, MapLibre, OpenStreetMap

Developed an offline-first Davao del Norte travel app with downloadable maps, GPS navigation, walking/driving routes, rerouting, and trip planning.

ARALYTICS | React, TypeScript, Supabase, Dexie

Developed and tested a learning platform with quizzes, flashcards, spaced repetition, progress analytics, and offline access.

THRYFTO | Flutter, Dart, Firebase

Built a peer-to-peer thrift marketplace with live listings, buyer-seller messaging, photo uploads, and search filters.

LOLA'S KUSINA | PHP, JavaScript, Python, Docker

Developed a catering-order system with menu packages, customer bookings, and administrative order management.

CERTIFICATIONS & ACHIEVEMENTS

IT Specialist - Databases | Certiport / Pearson VUE, July 2026; Verification Code: wBTT6-2FvB.
Top 12 Startup Finalist | GridPulse, Start in DavNor Startup Development Challenge, October 2026.
INNOVATHON 2026 | Participant, Tagum City, September 23-24, 2026.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Dart, PHP, SQL.
Frameworks & Platforms: React, React Native, Expo, Flutter, Node.js, Express, Firebase, Supabase, MapLibre.
Databases & Tools: MySQL, SQLite, PostgreSQL, Dexie/IndexedDB, Git/GitHub, Docker, REST APIs, Vitest.