AARON R. MERCADO

Fullstack Developer | Software Developer

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SUMMARY

Fullstack Developer experienced in building and scaling production systems across enterprise, freelance, and startup environments. Comfortable owning a project end-to-end, from database design through deployment, with a track record of mentoring and leading teams to deliver successful outcomes. Looking for an opportunity to bring this range of technical experience to a team where I can take on greater responsibility and drive meaningful impact.

WORK EXPERIENCE

Jr. Full Stack Developer - Full Time
B1G Corporation | Onsite | Muntinlupa — May 2026 - Present

- Maintain and extend a high-volume Inventory & Ordering System processing millions of material requests and millions of PHP in monthly transactions, shipping features and resolving production bugs across staging and live environments.
- Led end-to-end development of a new Asset Management system, from the ground up through production: built the application, engineered a cross-database integration that syncs employee and asset data with the HRIS, and owned the DigitalOcean deployment infrastructure (Docker, Nginx reverse proxy, server firewall, Discord commit/deploy alerts).
- Lead interns and run requirement meetings, feature planning, and technical decision-making, tracking work in Trello and enforcing a Git branching workflow so the team ships without stepping on each other's code.
- Partnered with Accounting and executives to reconcile stock discrepancies, then imported and validated [100,000+] stock records into the system's hub, establishing the verified beginning balance for live inventory.
- Imported and validated a full year of historical sales data (2025 to 2026) into the Key Accounts Sales module, auditing records and resolving discrepancies to keep downstream reports accurate.
- Architected the refactor of the Inventory & Ordering System and HRIS from manual, AI-generated SQL workflows to a layered architecture (Repository, Service, Controller, Route) with Redux state management and version-controlled migrations, making deployments repeatable and the codebase easier to extend.

Full Stack Developer
Freelance | Self Employed | Remote — October 2024 - Present

- Engineered a scalable, end-to-end e-commerce platform for a freelance clothing brand client with thousands of social media followers and widespread store distribution; deployed a decoupled architecture with a responsive frontend, backend server, and cloud database alongside a custom admin inventory dashboard.
- Delivered end-to-end web and mobile (Android) solutions for student capstone teams — frontend, backend, databases, APIs, and IoT hardware integration.
- Guided 4 solo capstone groups (13 students) and 3 collaborative groups (9 students) through full project development and defense — 100% success rate across all 22 students.
- Projects: AI-powered Rental Management App (FastAPI, Kotlin, Gemini, FAISS, Google Maps), Smart Pig IoT system (ESP32, Firebase, Android, Gemini AI), Smart Fire Monitoring IoT (ESP32, Android, FastAPI), IcomDeaf Sign Language web app (FastAPI, Mediapipe, OpenCV), E-Learning Game App (published on Google Play)

Full Stack Developer - Voluntary Internship

- FMC Research Solution Inc. | Onsite | Mandaluyong — December 2025 - April 2026
- Maintained and enhanced a containerized HRIS application using PHP Laravel, Next.js, and Docker, specifically implementing complex tax formula features and resolving critical system bugs to ensure accurate payroll and performance.
- Collaborated with a development team to engineer an inventory management system using FastAPI and Next.js with Shadcn UI, specifically developing backend APIs and frontend integrations for bulk CSV uploads, automated report exports, and a dynamic query builder with functional filtering

Fullstack Web Developer - Voluntary Internship
Fetti (startup) | Remote — October 2025 - April 2026

- Built APIs with Node.js and Prisma, developed UI using Next.js, and integrated frontend and backend in a fast-paced startup environment.
- Gained hands-on experience in a fast-paced internship, using Git for collaboration and implementing a standardized branching strategy to maintain code quality across concurrent projects.

Android Developer - Internship
Certicode | Remote August 2025 - December 2025

- Maintained and developed mobile features for *Inventi*, a property booking prototype, using Kotlin and XML in Android Studio, following Agile development practices

TECHNICAL SKILLS

- **Backend & APIs:** Python (FastAPI), Node.js (Express), Prisma, REST APIs, PHP (Laravel)
- **Databases:** PostgreSQL, Supabase, MySQL, Firebase (Firestore, Realtime Database)
- **Frontend (Web):** Next.js, TypeScript, React, Tailwind CSS, Shadcn UI, MUI, Redux
- **Mobile:** React Native, Expo, Kotlin (Jetpack Compose), XML, Java, Room Database, Google Play deployment
- **DevOps & Deployment:** Docker, Nginx, DigitalOcean, Vercel, Git/GitHub
- **Hardware / IoT:** ESP32, C++