

John Aldrie T. Baquiran

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PROFESSIONAL SUMMARY

Results-oriented Full-Stack Website Developer experienced in designing and deploying responsive, scalable web applications. Proficient in modern front-end interfaces, robust back-end scripting, and relational database management. Adept at translating complex client requirements into efficient, user-centric software solutions, ensuring high performance and seamless deployment from concept to production.

WORK EXPERIENCE

FOUNDER & FULL-STACK DEVELOPER

December 2025 - Present

Inertia Digital Solutions | Nasugbu, Batangas

- Developed custom Point-of-Sale (POS) systems for 5+ local retail clients, streamlining and optimizing daily store operations.
- Integrated POS software with thermal printers, cash drawers, and barcode scanners to deliver a 100% seamless checkout experience for end-users.
- Conducted live system demonstrations for 10+ prospective clients, successfully securing 5 new commercial contracts.

TECHNICAL PROJECTS

AirSafe Nasugbu (IoT Air Quality Monitoring System)

- Built an IoT-based environmental monitoring system integrated with 10+ distributed hardware sensors, enabling automated hazard alerts and real-time air quality tracking.
- Developed interactive data maps and role-based analytics portals that improved reporting efficiency by 40% for local officials.

Sales Mapping System (Field Operations Tracker)

- Engineered a comprehensive field operations mapping application, providing real-time location tracking and accurate regional clustering for over 1000 client sites.
- Automated report generation and implemented secure role-based access controls, ensuring 100% data accuracy and centralized analytics for sales managers.

GuidedMind (Educational Analytics Platform)

- Programmed an interactive educational platform featuring AI-powered progress tracking modules, facilitating the early detection of at-risk students across 5 active class sections.
- Created a real-time teacher analytics dashboard to monitor class performance metrics, empowering educators to deliver personalized interventions for 100% of identified students.

TECHNICAL SKILLS

- Languages:** PHP, JavaScript (ES6+), C++ (Arduino), HTML5, CSS3, SQL
- Frameworks & Libraries:** Laravel, React, Vue.js, Tailwind CSS, Inertia.js, Alpine.js, Leaflet.js
- Databases & Architecture:** MySQL, RESTful APIs, Relational Database Design, System Architecture
- IoT & Hardware:** ESP32 Microcontrollers, Smart Sensors, Android POS Terminals, Retail Peripherals
- Tools & Version Control:** Git, Visual Studio Code
- Professional Skills:** Analytical Problem-Solving, Project Scoping, Stakeholder Communication, Time Management

EDUCATION

- Bachelor of Science in Information Technology**
- Batangas State University ARASOF - Nasugbu (Expected Graduation: May 2027)

CERTIFICATIONS

- Networking Information Technology Specialist – CertPort (Issued May 2026)
- Device Configuration & Management ITS – CertPort (Issued December 2025)
- Microsoft Office Specialist: Excel 2016 – CertPort (Issued December 2023)