

JEUSH SAMUEL L. BANTAYAON

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PROFESSIONAL SUMMARY

Computer Science undergraduate building AI-assisted business systems, full-stack applications, and security-focused software. Experienced with Python, TypeScript, Next.js, Flutter, Supabase, FastAPI, Docker, SQLite, n8n, and Google Sheets/AppSheet. Strong in workflow design, validation, human review, modular architecture, and practical automation.

TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, Dart, Java, SQL, Google Apps Script, HTML, CSS
Frameworks & Libraries: Next.js, React, Flutter, FastAPI, Flask, AppSheet
Data & Infrastructure: Supabase, PostgreSQL, SQLite, Docker, n8n, REST APIs, WebSockets
Engineering Practices: System Automation, Input Validation, Data Synchronization, RBAC, CI/CD, OOP

EXPERIENCE

Freelance Developer - Food Business | Philippines | Nov 2025 - Dec 2025

- Built and deployed a mobile/tablet POS application via AppSheet to standardize multi-branch sales capture, dispatch tracking, and inventory input directly at the point of sale.
- Engineered automated data pipelines in Google Sheets using Google Apps Script, including automated deduplication based on transaction ID and timestamps alongside live redundant backup mirroring.
- Built spreadsheet formulas to audit revenue variances and track product velocity, reducing manual reporting work for branch managers.

SELECTED PROJECTS

TrackStock - Inventory and Branch Operations System | Next.js, React, Supabase | 2026

- Built and deployed an inventory tracking and dispatch system connecting HQ and branch operations, with reviewable counts and delivery records.
- Implemented an audited two-stage receipt protocol where dispatched inventory remains in a verified in-transit state until branch staff acknowledge delivery.
- Designed role-aware access control (RBAC), physical count audits, low-stock threshold alerts, and automated CSV export pipelines.

OpenRecall - Multi-Modal Active Recall Study App | Flutter, Supabase, PostgreSQL | 2026

- Developed a multi-modal learning engine supporting 4 study modes (Flip, Cloze, List, Feynman) structured around adaptive spaced-repetition retention loops.
- Engineered an offline-first architecture with local cache mirroring and conflict-free cloud synchronization upon reconnection, tested with 20+ peer users with zero data loss.
- Deployed multi-platform client builds (mobile and web) featuring real-time deck management, session performance analytics, and sub-second query latency.

Campaign Brief Studio - AI Automation Workflow | Next.js, TypeScript, SQLite, n8n | 2026

- Built a structured workflow that converts business briefs into campaign drafts while validating inputs, tracking generation attempts, and recording review decisions.
- Implemented revision history, activity logs, deterministic local demo generation, callback handling, and human approval gates before publication.

EDUCATION

Bachelor of Science in Computer Science (ABET Accredited)

Batangas State University - Alangilan Campus | Aug 2025 - Expected 2029

Relevant Coursework: Advanced Data Structures (C++), Object-Oriented Programming (Python), Computer Science Fundamentals, Calculus

CERTIFICATIONS AND ACHIEVEMENTS

- Multicloud Network Associate - Aviatrix Certified Engineer
- 1st Place, Robotics Competition - Division Science & Technology Fair
- Attendee, Responsible Vulnerability Disclosure & Web Security Seminar - West Visayas State University