

CHUCKIE A. ESPAÑOLA

Mendez, Cavite, Philippines

chuckz.espanola99@gmail.com | +63-969-1477-346 | linkedin.com/in/chuckie-espanola | github.com/chuckzxxmello

EDUCATION

Cavite State University - Main Campus | Indang, Cavite
Bachelor of Science in Computer Science

Graduation Date: August 2026

- **Relevant Coursework:** System Architecture, Operating Systems, Database Management
- Developed Firebase and PostgreSQL-based applications to benchmark cloud data transfer performance, fetch latency, and UI responsiveness across web and mobile interfaces.

WORK EXPERIENCE

Freelancing | Legacy Night Guests Check-in System
Full-Stack Developer

November 2025 – December 2025

- Designed and developed a cloud-hosted guest check-in and seat management platform for an event with ~790 attendees, **enabling guests to instantly locate assigned and available seats through a self-service interface.**
- Built and deployed the system using Next.js, Firebase, and Vercel, **replacing manual seat coordination and reducing guest assistance and seat allocation processing time by ~90%.**
- Implemented **real-time** seat availability tracking, delegate organization, and remote accessibility for staff and attendees across devices.

Provincial Government Capitol of Cavite | Trece-Martires City, Cavite
Software Engineer Intern

July 2025 – August 2025

- Built and deployed PICTO Tracker (.NET 9, PostgreSQL), **replacing a paper-based workflow for ~10 staff, cutting requisition processing time by ~35%.**
- Restructured the PICTO department's **inventory database across 4 supply categories, eliminating data inconsistencies and normalizing the schema.**

PROJECTS

PICTO Tracker | Inventory Management System
.NET 9, PostgreSQL

- **LAN-based centralized asset tracking system for ~300 items across 4 categories,** with audit logging and requisition workflows supporting **~10 concurrent users.**

AppointMED | Clinic Appointment Scheduling Website
Next.js, TypeScript, Google Firebase

- **24/7 appointment visibility** web platform for a pilot clinic serving **10-20 active patients,** shifting staff inquiries from schedule availability checks to actionable reschedule requests.

Prepper | Meal Planning and Calorie Tracker Mobile App
React Native, JavaScript, Google Firebase

- Lightweight UI prototype app stress-testing Firebase cloud performance, **Firestore fetch latency averaged ~150-300ms,** **real-time sync at ~100-200ms,** with **Firebase Auth and security rules validated** under free-tier constraints.

TECHNICAL SKILLS

Languages & Frameworks: Java, C#, SQL, JavaScript, TypeScript; Spring Boot, .NET, React, Angular, Next.js
Backend & Databases: REST APIs, JWT/RBAC, request validation, PostgreSQL, MySQL, schema design, CRUD operations
Security: Authentication, authorization, password hashing, MFA, OWASP Top 10, rate limiting, secure configuration
Systems & Deployment: Linux, Bash, Docker, Swagger/OpenAPI, Insomnia, Vercel, GCP, OCI, AWS, Azure
Development Practices: Git/GitHub, Agile/Kanban, CI/CD fundamentals, API testing, debugging, technical documentation