

ARNEL BAYLON

Context Engineer · Full-Stack Engineer · Freelance Software Consultant

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EDUCATION

CAVITE STATE UNIVERSITY – TRECE MARTIRES CAMPUS — Cavite, Philippines

Bachelor of Science in Information Technology

WORK EXPERIENCE

GENERAL EMILIO AGUINALDO MEMORIAL HOSPITAL — Cavite, Philippines

Intern Full-Stack Developer (486 Hours) | 2026

- Developed a hospital queuing system with AI integration using Vue.js, PHP, MySQL, and Groq LLM; provided IT support and streamlined patient workflows.
- Built full-stack solutions integrating frontend interfaces with secure backend APIs, collaborating directly with hospital staff on requirements.

VCM HRIS CAPSTONE PROJECT — Philippines

Full-Stack Developer | 2025 – 2026

- Architected a QR-code-based HRIS with modules for employee management, leave tracking, job applications, real-time notifications, and payroll integration.
- Led full system architecture, database schema design, and API development ensuring production-ready code quality, security, and scalability.

FREELANCE SOFTWARE DEVELOPER — Remote, Philippines

Independent Consultant | June 2025 – Present

- Delivered custom software systems for SMEs and organizations, managing end-to-end project lifecycles from discovery and design through deployment.
- Built PresentPo (attendance & time-tracking), Tearsize (e-commerce platform), and HiveSync VA (virtual assistant services platform) as freelance engagements with client-owned production deployments.

PROJECTS

e Buddy — Agentic-AI concept designed to unify Philippine government agencies into one seamless public-service experience

Lead Developer · Top 30 Winner, eGov Hackathon 2026

yhel.os — All-in-one operating system for freelancers to manage projects, clients, and marketing — currently in development

PaceMentor — AI-powered running coach mobile app with GPS tracking, adaptive plans & Strava integration

Flutter · Firebase · Node.js

VCM HRIS — QR-code HR system: employee management, leave tracking, job applications, payroll & notifications

Laravel · Vue.js · MySQL

PresentPo — Workforce attendance & time-tracking platform with scheduling and automated reporting

Next.js · Supabase · TypeScript

TMRC — Community website for Trece Martires Running Club — races, results & news

Next.js · Tailwind CSS

Tearsize — E-commerce platform for health products with full payment integration

TypeScript · Tailwind CSS

HiveSync VA — Virtual assistant services platform streamlining business operations for distributed teams

Next.js · TypeScript

CERTIFICATIONS

IBM AI Certifications (7 Topics): AI Fundamentals · AI Forms & Functions · Intro to AI · Machine Learning · Neural Networks & Deep Learning · RAG for Enhanced AI Outputs · The Intelligence Behind AI

AWS Certifications (4 Topics): Generative AI · AWS Knowledge: Object Storage · Advanced SQL & Database Design · Serverless Mindset

Lean Six Sigma — White Belt: Process Improvement & Quality Management

SKILLS

AI & Context Engineering: Context Engineering · Agentic Loops · RAG Architectures · Prompt Engineering · LLM Orchestration · OpenAI API · Groq LLM

Frontend: React · Next.js · Vue.js · Tailwind CSS · TypeScript · Flutter · Dart

Backend: Laravel · PHP · Node.js · MySQL · PostgreSQL · Firebase · Supabase · REST APIs

Tools & Platforms: Vercel · AWS · Git · Figma · Trello

Languages: English (fluent) · Filipino (native)