JEROME AVECILLA
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SUMMARY

Shipped end-to-end production systems for real-world deployment, including a voting platform handling 5,000+ votes with zero downtime and a registration system processing 300+ applications in its launch month. Currently leading development on a clinic operations platform undergoing live client testing. Proficient in TypeScript, Python, with expanding expertise in AI systems, RAG, and MCP architectures. Looking for an internship where I can learn how real industry teams collaborate, ship at scale.

EDUCATION

Bachelor of Science in Information Technology Jul 2023 - Aug 2027
Bulacan State University Main, Campus

- Field of Study: Specialized in Web and Mobile Application Development
- College Awards: Hackathon Champion - BulSU 13th IT Congress, Consistent Dean's Lister
- SHS Awards: Best Capstone of the Year for Research and Innovation, Consistent High Honor

TECHNICAL SKILLS

- **Languages & Frameworks:** TypeScript, Python, JavaScript, PHP, NestJS, Next.js, React, Vue.js, React Native, Laravel, Django, Flask, Expo
- **Databases & ORM:** PostgreSQL, MySQL, Supabase, Firebase, Prisma ORM, Drizzle ORM, Eloquent ORM
- **AI & Agentic Systems:** LLM Integration, Retrieval-Augmented Generation (RAG), Agentic Workflows, Model Fine-Tuning, MCP Architecture, HuggingFace
- **DevOps & Developer Tools**: Docker, AWS, GCP, Git, GitHub Actions (CI/CD), RESTful APIs, Swagger, Postman,

EXPERIENCES

IT Developer Intern | Internship | Hybrid Aug 2026 - Present
Diwa Learning Systems, Inc. Salcedo, Makati

- Contribute to the development and testing of Diwa's internal Unified Human Resource Information System (UHRIS), building enterprise modules with React 19, NestJS 11, TypeScript, Prisma, and PostgreSQL.
- Investigated backend behavior across 7+ modules, checking API contracts, role-based access controls, and transaction integrity between the frontend and database.

IT Web Developer | Part-Time | Onsite May 2022 - Jan 2025
Golden Minds Colleges, Inc. Sta.Maria, Bulacan

- Built and maintained a Laravel and MySQL campus voting platform that processed 5,000+ votes; added database indexes that reduced response times by 30%.
- Migrated the college website to Laravel and Vue.js and moved the domain to .edu.ph; the new site was associated with 25% faster page loads and 35% fewer admin inquiries.
- Led development of the SIMS teacher and student scheduling module, implementing JavaScript/PHP conflict checks integrated with payroll workflows; reduced scheduling processing time by 40%. Also contributed UI improvements across the system

TRAINING & PROGRAMS

Salesforce Developer Track | Internship | Remote Aug 2025 - Jan 2026
SmartBridge / Salesforce / BulSU.

- Build and manage trusted solutions on the Salesforce Platform. Administer and secure the lifecycle of users, data, apps and agents to ensure org health and maximize value.

PROJECTS & INITIATIVES

EchoVax: Clinic Operations System for Dr. Pau Animal Bite Center | Lead Developer

- Led a capstone team building a clinic operations system for Dr. Pau Animal Bite Center, designed to replace manual logbooks with a digital workflow with voice-to-text intake (Web Speech API, Gemini NLP).

BulSU: AWS Student Builder Group Website | Full-Stack Developer

- Led full-stack development and containerization (Next.js, Supabase, Docker), processing 300+ applications with automated workflows.

CERTIFICATIONS

IT Specialist - Artificial Intelligence | Certiport - Pearson VUE Oct 2026

Google AI Professional Certificate | Google / Coursera Oct 2026

IBM AI Developer Professional Certificate | IBM / Coursera Oct 2026