

# JEROME AVECILLA

## Full-Stack Web & AI Systems Developer

Bulacan, Philippines • (+63) 9772465533 • jeromesavc@gmail.com • github/javecilla

---

### SUMMARY

Independent Full-Stack Web Developer specializing in Laravel, Vue/React, and PostgreSQL. Focused on integrating AI, LLMs, and Agent systems into scalable digital solutions. Proven track record in delivering commissioned web apps, automating workflows, and optimizing system architecture. Seeking to build forward-thinking, AI-powered applications.

---

### WORK EXPERIENCE

Associate Web Developer, Golden Minds Colleges Inc.

May 2022- Jan 2025

- **Solo Project: Campus Online Voting System**
    - Architected and deployed an end-to-end digital voting solution to replace legacy manual processes, facilitating high-traffic student elections and major campus events.
    - Laravel (Backend), MySQL (Database), jQuery, Bootstrap, and Chart.js (Frontend).
    - Successfully processed 5,000+ votes with zero downtime; optimized database indexing and query refactoring to achieve a 30% reduction in response times. Integrated GCash QR and Google ReCAPTCHA to ensure secure transactions and fraud prevention, resulting in a 40% increase in total voter turnout.
  - **Solo Project: Institutional Web Ecosystem (Official Website)**
    - Led the full-scale migration of the college's legacy site from .com domain to .edu.ph, a modern Laravel and Vue.js architecture, centralizing academic resources and institutional data for students and staff.
    - Laravel (Backend), Vue.js (Frontend), MySQL, and Bootstrap.
    - Reduced administrative inquiries by 35% through the implementation of a dynamic Resource Hub and Admin Dashboard. Leveraged lazy loading and frontend optimization to decrease average page load times by 25%, sustaining 6,000+ monthly page views.
  - **Team Project: Student Information Management System (SIMS) Portal**
    - Redesigned the UI/UX architecture for the entire Senior High School portal, migrating a legacy PHP codebase to a modern Vue.js and Tailwind CSS frontend for enhanced responsiveness and accessibility.
    - Solo Feature Automated Academic Scheduling & Payroll Integration
      - Engineered a custom scheduling engine with real-time conflict detection, directly synced with a payroll module to automate wage calculations based on active teaching hours.
    - Reduced administrative processing time by **40%** by eliminating manual grade encoding and payroll cross-referencing; implemented **Docker** to ensure consistent development-to-production deployment.
- 

### EDUCATION

Bachelor of Science in Information Technology

Jul 2023 - Aug 2027

Bulacan State University - Main Campus

- Specialized in Web and Mobile Application Development (WMAD)
- 

### TECHNICAL SKILLS

**AI & Integrations:** RAG, Fine-tuning, MCP, REST API, LLM, Agentic Workflow, N8N

**Front-End:** HTML, CSS, SCSS, JavaScript, TypeScript, Vue.js, React JS, Bootstrap, Tailwind CSS, GSAP

**Back-End:** Laravel, PHP, MySQL, PostgreSQL, Firebase, Supabase, Python, Next.js

**DevOps & Cloud:** Git, Github, Git Actions, Docker, AWS Cloud, Google Cloud, Digital Ocean, Vercel, Cloudflare

### CERTIFICATIONS, AWARDS & ACHIEVEMENTS

**Salesforce Supported Virtual Internship Program 2025 (Philippines).**

**Cisco Networking Academy - Network Support and Security 2025**

**Hackathon Champion** – BulSU 13th IT Congress: Led the winning team in a competitive coding and innovation challenge.

**Best Capstone of the Year** – Research and Innovation: Recognized for developing a "Web-Based Inventory Management System". The System adopted by school.