

Gabriel Ludwig R. Rivera

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Calamba, Laguna, Philippines

Summary: Back-end developer experienced in building scalable web applications and integrating AI/ML capabilities into full-stack architectures. Skilled in designing secure APIs, optimizing database-driven systems, and delivering reliable, user-centered features. Proficient in React, Node.js, and PostgreSQL for production-grade development.

EDUCATION

City College of Calamba - B.S. Information Technology 2022-Present
Relevant Coursework: Web Development, Database Management, Software Development Engineering

STACK & TOOLS

Tools: VSCode, MySQL, PostgreSQL, Git, Github.
Programming Language: Javascript, HTML/CSS, SQL, Node.js, React.js.

EXPERIENCE

Shopee Philippines Calamba City, 4027
PH
Quality Assurance - Failed Deliveries Apr - Oct 2022
Coursework: Return Logistics Verification, 3PL Performance Monitoring, QA Compliance Reporting, Damage Categorization, Warehouse Control.

- Led end-to-end quality assurance for failed deliveries from key 3PL partners; enforced rigorous verification standards, executed high-accuracy barcode and item audits, validated parcel integrity, and delivered comprehensive documentation to support operational accountability and interdepartmental alignment.

SELECTED PROJECTS

K-WISE Jan-Nov, 2025
Project Lead

- Designed and deployed a self-service PC builder kiosk integrating an AI engine (Ollama DeepSeek R1) with 3,200+ automated compatibility rules, real-time build validation, and machine learning-enabled recommendation workflow.
- Led integration and audited 32,240 historical compatibility checks, achieving **99.87% build-level pass rate** and **93.14% rule-level agreement**, enabling reliable in-kiosk recommendations with sub-2s AI responses, predictive upgrades, **3.80/4.0 user satisfaction**, and **1062% ROI with a 9.2-month payback period**.
- Engineered the full-stack system and implemented secure JWT/RBAC authentication, audit logging, and CI/CD-ready architecture.
- Key contributions include AI model integration, deterministic rules-processing pipelines, performance optimization, and production monitoring.
- Tech: React.js, JavaScript, Node.js, Express, PostgreSQL | GitHub

LEADERSHIP

CCC - Information Technology Society

Membership and Election Committee Head

Calamba City, 4027 PH

2024-2025

- Led an organization representing 1,469 BSIT and 509 BSCS (departmental) students, and implemented attendance and event evaluation systems using barcodes and automated formulas, resulting in a **70% reduction** in manual processing time and improved data accuracy for organizational reports.

CERTIFICATIONS

[Introduction to Cybersecurity](#)

Cisco | May 2025

[Backend Engineer Learning Path](#)

Datadog | Oct 2025

REFERENCE

Regina G. Almonte, PhD

Adviser, Capstone Project

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