

Gabriel Ludwig R. Rivera

Email: ludwigrivera13@gmail.com | LinkedIn: [Gabriel Ludwig Rivera](#) | GitHub: [Defnotwig](#) | 09942372275
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.
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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.
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CERTIFICATIONS

[**Introduction to Cybersecurity**](#)

Cisco | May 2025

[**Backend Engineer Learning Path**](#)

Datadog | Oct 2025

REFERENCE

Regina G. Almonte, PhD
Adviser, Capstone Project
rgalmonte@ccc.edu.ph

Jayvee Ryan F. Banal, MSCS
BSCS, Program Head
jfbanal@ccc.edu.ph

Jasper M. Garcia, MIT
Adviser - Information Technology Society
jaspermgarcia@ccc.edu.ph