

Jan Carlo V. Tolentino

Software Engineer

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Professional Summary

Software Engineer with 4+ years of experience building business-critical web applications, API integrations, and cloud-hosted systems. Experienced in backend development, Linux administration, containerized deployments, and third-party system integrations. Strong track record of owning production systems, collaborating directly with stakeholders, and delivering reliable software solutions throughout the full development lifecycle.

Core Expertise

Languages & Frameworks PHP, Laravel, JavaScript, SQL, Python, Java, Kotlin

Backend Engineering REST APIs, System Design, Software Architecture, API Integrations

Infrastructure & Cloud Docker, Linux Administration, CI/CD, NGINX, Git, Postman, Google Cloud Platform, AWS

Frontend Development Vue.js, Nuxt.js, Tailwind CSS, Bootstrap

Databases MySQL, PostgreSQL, SQLite

Professional Skills Stakeholder Communication, Technical Troubleshooting, Production Support, Agile Development

Professional Experience

Mid PHP Developer

Nov 2024 – Present

ShipERP

- Architect and maintain enterprise integrations connecting cloud shipping platforms with Tier-1 ERP systems including SAP S/4HANA and Oracle Fusion, enabling real-time freight-rate calculation for sales quotes, delivery consolidation, and proportional cost allocation.
- Engineer multi-carrier integration pipelines across global parcel and freight carriers including FedEx, UPS, DHL, and TForce, implementing OAuth 2.0 authentication, electronic trade documents, and automated pickup dispatch.
- Build dynamic rate-shopping and least-cost carrier routing engines with custom business constraints, policy override hierarchies, and failover mechanisms for high-volume shipment rating.
- Design handling-unit containerization, nested packing workflows, and delivery consolidation features to streamline master packing lists and warehouse order fulfillment.
- Automate freight classification and hazardous materials compliance workflows, calculating shipment density and dangerous goods classifications while enforcing export controls and international customs tariffs.
- Modernize legacy codebase using dependency injection, event-driven notification pipelines powered by rule engines, optimized indexes for high-traffic tracking tables, and automated PHPUnit test suites.
- Resolve 70+ operational and technical support tickets weekly across distributed staging and production environments, leading issue triage, root cause analysis, and production hotfixes.

Full-Stack Web Developer

Jul 2022 – Nov 2024

Boom Technologies Inc.

- Led the end-to-end delivery of nationwide business platforms and international event systems, from requirements analysis through deployment and operational support.
- Designed and developed RESTful APIs and backend services consumed by web applications, mobile platforms, and Unity-based systems.
- Managed Linux-based staging and production environments, supporting application deployment, infrastructure maintenance, and operational reliability.
- Integrated third-party platforms, payment services, and external APIs to expand product capabilities and support new business opportunities.
- Worked directly with clients and project stakeholders to refine requirements, manage expectations, and deliver technical solutions aligned with business goals.
- Produced technical documentation, deployment guides, and mentored junior developers through code reviews and development best practices.

Part-Time Web Developer

Feb 2022 – Jul 2022

Boom Technologies Inc.

- Contributed to the development of a centralized e-commerce platform supporting nationwide retail and mall operations.
- Developed administrative tools and operational modules for managing products, tenants, promotions, and business workflows.
- Collaborated with senior developers to implement backend services and user-facing functionality within an Agile development environment.
- Authored API documentation and integration references to support internal teams and external development partners.

Technical Projects

Himawari-9 Satellite Imagery Explorer

himawari9viewer.jantolentino.dev

- Built an interactive web application to browse real-time geostationary meteorological satellite imagery published every 10 minutes by the Japan Meteorological Agency.
- Engineered responsive timeline scrubbing, regional tile viewing, and image caching to deliver fast rendering for high-resolution earth observation files.

Cloud & Homelab Infrastructure Automation

jantolentino.dev/blog

- Architected a self-hosted cloud and bare-metal server cluster running containerized services managed via rootless Podman Quadlets and systemd.
- Automated configuration management and service provisioning using Ansible playbooks, featuring real-time health telemetry and automated off-site backup schedules.

Certifications

Google Cloud Certified: Associate Cloud Engineer

[Verify on Credly](#)

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Education

Bachelor of Science in Computer Science

2018 – 2022

Mariano Marcos State University, Magna Cum Laude