Kevin Roy V. Maglaqui

Software Engineer | Backend & Infrastructure | ML Engineer

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SUMMARY

Software engineer building backend systems for a B2B digital payments platform. Earlier work covers REST APIs and reporting for an aviation flight-information system, plus the 3-node Proxmox HA cluster built to host it. Founder and technical lead of Bean, a multi-tenant business management platform in development toward pilot deployment. Independent work includes Python ML services, from model training to serving and drift metrics.

EXPERIENCE

Junior Software Engineer | Paynamics Technologies Inc., Makati City — July 2026 - Present

- Developed and deployed a backend module for a B2B digital payments platform, implementing CRUD REST endpoints, audit logging, and a postback integration to synchronize database operations across backend systems.
- Strengthened API security by addressing security testing findings through input validation and sanitization, preventing malformed and unsafe data from entering application workflows.
- Tested API endpoints and integration flows and shipped changes through Git-based merge requests across staging environments.

Software / IT Support Engineer Intern | Global Transco ICT Solutions, Makati City — January 2026 - June 2026

- Developed OTP and Standard Flight Report modules for a migrated aviation flight-information system, implementing REST endpoints, MVC controllers, and data-access logic.
- Rebuilt the legacy OTP report generator using FPDF, reducing document generation time from approximately 5 minutes to under 1 second while meeting CAA documentation standards.
- Designed and deployed a 3-node Proxmox high-availability cluster with quorum, node fencing, live LXC migration, and storage replication.
- Improved Lighthouse performance scores from approximately 30 to 70–100 across 26+ company web pages through asset optimization, caching, and removal of render-blocking resources.

PROJECTS

Bean Enterprise Management System | bean.enterprises
Founder & Technical Lead | Bean Enterprise System Solutions

- Building a multi-tenant enterprise management platform designed to centralize business operations, connecting inventory, sales, branch management, and internal ticketing through a unified system.
- Architected and developed the majority of the backend using Node.js, Express, and PostgreSQL, implementing authentication, email-verified registration, role-based permissions, PostgreSQL-backed sessions, and audit logging. Developing the platform toward pilot deployment.

Tangerine
Creator & Engineer | Independent project

- An actively developed quantitative cryptocurrency trading platform exploring market-data infrastructure, systematic research, model evaluation, risk governance, and controlled execution. It treats research, evaluation, risk controls, and execution as one auditable system rather than a generic trading bot.
- Designing and building the platform end to end: backend services, a persistence layer with versioned migrations, a model-evaluation workflow, and a frontend for research and monitoring. In Development.

SLU CCA Ticketing System | slu-cca.vercel.app/login
Requirements Analyst & QA | Saint Louis University CCA

- Main requirements analyst and QA: requirements gathering, stakeholder communication, and testing. Deployed.

SKILLS

Languages: Kotlin, Java, Python, JavaScript, TypeScript, PHP, SQL
Backend: REST API design, FastAPI, Node.js/Express, Laravel, Prisma ORM
Databases: MongoDB, PostgreSQL, MySQL, Redis
Infrastructure: Proxmox HA, Docker, Linux, VMware, AWS (CloudWatch), Git, CI/CD
ML / Data: scikit-learn, CatBoost, pandas, feature engineering, model evaluation

EDUCATION

B.S. Information Technology | Saint Louis University, Baguio City — 2026
Certifications: HackerRank Java & Python (Basic); Accenture Software Engineering Job Simulation