

KLEIN ISAAC G. IMPERIO

Full-Stack Software Developer · Web Systems & API Engineering

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PROFESSIONAL SUMMARY

Full-stack developer with hands-on experience in designing, building, and deploying web systems for real business environments. Rebuilt an internal supply requisition system for a national retail brand (GUESS PH), architected a WURI-nominated smart energy management platform, and delivered IoT-integrated, Logistic system, and HR system — each taken from requirements to completion. Combines strong full-stack engineering using (Laravel, Vue.js, Next.js, React, MySQL, Etc.) with a builder mindset focused on practical, clean solutions that solve real problems and are built to last. Seeking a software developer role to ship scalable, impactful web products.

WORK EXPERIENCE

IT Intern — Software Development & Support

California Clothing, Inc. (GUESS Franchisee) · San Pedro, Laguna, PH · Oct 2025 – Mar 2026

- Architected and delivered a full-stack Supply Requisition System (Laravel, PHP, MySQL, Bootstrap) to replace a 13-year-old process — implementing role-based multi-level approval workflows, structured database design, and full technical documentation for organizational rollout.
- Developed additional internal tools including a Leave Request System, replacing spreadsheet-based employee data management across departments.
- Built two n8n automation workflows assigned by the IT Head: one that screened job applicants using AI and sent evaluation reports to HR supervisors via email, and another that pulled sales data from Google Sheets, analyzed it using Gemini AI, and delivered automated reports with insights and recommendations via email.
- Provided helpdesk support across all store branches via remote support (AnyDesk) — assisting with system and application issues, performing data backups, and resolving hardware and network problems across all departments in the head office.

PROJECTS

Smart Energy Management System (Energenius) ★World University Ranking for Innovation (WURI) Candidate

Laravel · Next.js · Firebase · Cloud Backend · IoT Integration | Capstone Project · Full-Stack Developer

- Architected a full-stack smart energy platform with real-time IoT device monitoring, automated scheduling, and rule-based energy optimization — built on a cloud backend for scalability and real-time responsiveness.
- Designed usage analytics dashboards, automated energy recommendations, and system workflows; selected as a WURI (World University Rankings for Innovation) candidate entry recognizing real-world applicability and innovation potential.
- Led full-cycle Agile-inspired development — from system architecture and database design through team coordination and academic defense.

Supply Requisition System

Laravel · PHP · Blade · MySQL · GitHub | Internship Project · Full-Stack Developer

- Built to replace an old digital/paper-based process with a web-based multi-level approval system — implementing role-based access control, structured MySQL database design, and audit-trail workflows that improved data visibility organization-wide.
- Made for California Clothing, Inc. with full technical documentation and user manual; built robust Laravel backend logic to support non-technical users across departments.

Leave Request System

Laravel · PHP · Blade · MySQL | Internal Tool · Full-Stack Developer

- Built a role-based digital leave request and approval platform to replace paper-based workflows — providing full request-to-fulfilment visibility for employees and approvers across organizational levels.

HR Management System

Laravel · Vue.js · PHP · Blade | Internal Tool · Full-Stack Developer

- Developed a comprehensive HR platform replacing spreadsheets — centralizing employee records, attendance tracking, and internal HR workflows with structured database design and role-based access control.

Arena Management System

Laravel · PHP · Livewire · MySQL · ESP32 · MQTT · Arduino IDE · Postman | Collaboration · Full-Stack Developer

- Built a real-time arena management platform bridging ESP32 microcontrollers via MQTT to a live web dashboard — enabling live match tracking, RBAC, and real-time system monitoring for airsoft operations.
- Validated all RESTful API endpoints with Postman and ensured stable hardware-to-backend communication under live conditions; designed for real-world deployment.

Logistics Management System

Next.js · React · TypeScript · Tailwind CSS · ShadCN UI · Server Actions | Academic Thesis · Full-Stack Developer

- Developed a hybrid logistics and shipment tracking platform for an Industrial Engineering thesis — featuring driver workflow management, real-time shipment monitoring, and a centralized admin dashboard.
- Leveraged Next.js Server Actions for server-side data operations and ShadCN UI for an accessible, polished interface; successfully demonstrated and defended at academic defense.

Ongoing Projects

- **Barcode & Inventory Management System** — Automating stock tracking with barcode scanning to eliminate manual Excel-based processes in SMBs.
- **Queue Management System** — Real-time queuing platform to automate customer flow and reduce manual coordination overhead in service businesses.
- **Business Management & Financial Recording System** — Full-stack platform for a family-operated business replacing paper financial records — centralizing transaction data, implementing RBAC, and generating exportable financial reports.

TECHNICAL SKILLS

Frontend: Next.js, Vue.js, React, TypeScript, Tailwind CSS, ShadCN UI, Livewire, Bootstrap, Framer Motion

Backend: Laravel, PHP, Node.js, MySQL, Firebase, RESTful API Development, Server Actions, Database Design, Auth & Authorization, System Architecture

IoT & Automation: ESP32, MQTT, Arduino IDE, n8n Workflow Automation

Tools & DevOps: Git/GitHub, Postman, Vercel, Firebase Studio, VS Code, Figma, Laragon, XAMPP, Composer, npm

Currently Learning: Docker, PostgreSQL, AWS Cloud Fundamentals, Angular, Ollama, Claude Code, Openclaw

EDUCATION

B.S. Information Technology

Pamantasan ng Lungsod ng Muntinlupa · Muntinlupa City, PH · 2022 – 2026

STEM Track — Senior High School

Muntinlupa Cosmopolitan School · Muntinlupa City, PH · 2020 – 2022

CERTIFICATIONS & TRAINING

- CHED Skills Progression Partnership & Infosys Training Program — PLMun & Infosys (2026)
- GUESS PH 500 Internship Certification — California Clothing, Inc. (2026)
- CompTIA A+ Training Certification — Asia Pacific College (2025)
- Responsible AI for Sustainable Development — Asia Pacific College (2025)
- EF SET English Certificate — EF Standard English Test (2025)
- Fundamentals of Python Programming — Data Analytics Philippines (2025)
- Social Media Content Creation — Udemy (2025)
- Excel 2016 Core — Udemy (2024)

REFERENCES

Raymir Pedrique — IT Director, California Clothing, Inc. (GUESS Franchisee) · rkpedrique@guess.com.ph