

# LAURENCE F. DE GUZMAN

Full-Stack Developer & AI Automation Engineer

Quezon City, Metro Manila, Philippines | +63 992 319 2339 | English (Professional) / Filipino (Native)  
Portfolio: [just1man.com](http://just1man.com) | GitHub: [github.com/imove0n](https://github.com/imove0n) | Email: [laurencedeguzman04142003@gmail.com](mailto:laurencedeguzman04142003@gmail.com)

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## PROFESSIONAL SUMMARY

Full-Stack Developer with end-to-end experience shipping production web applications, AI-integrated automation systems, and self-hosted business infrastructure. Currently the sole technology owner for a 30-year-old B2B enterprise, running the entire stack from React and Next.js frontends through Node.js and Python backends, Odoo ERP, Docker, and Cloudflare infrastructure. Comfortable translating business problems into shipped systems across web development, e-commerce, AI workflow automation, and computer vision. Builds with engineering discipline: AI-assisted development paired with manual code review, CI/CD staging, and controlled production deployment

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## TECHNICAL SKILLS

Frontend	React.js, Next.js, Angular, Vue.js, Three.js, Tailwind CSS, HTML5/CSS3, Webflow
Backend	Node.js, Python, Express.js, REST API Design, Webhook Integration
Database	PostgreSQL, Supabase, Firebase, Redis
DevOps	Docker, Kubernetes, CI/CD Pipelines, Cloudflare Tunnel, Linux Server Administration
Cloud	AWS, Oracle Cloud, Google Cloud Platform
Automation	n8n, Zapier, GoHighLevel, Custom API Integrations, Google Gemini AI
ERP	Odoo (Configuration, Customization, Self-Hosting, XML, PostgreSQL)
Design	Figma, UI/UX Design, Wireframing, Blender (3D Web Assets)
Languages	JavaScript/TypeScript, Python, Java, C#

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## PROFESSIONAL EXPERIENCE

### IT Systems Administrator & Full-Stack Developer (Sole IT Personnel)

Accupoint System Inc. | Quezon City, Philippines

Aug 2025 – Present

Sole IT professional for a 30-year-old B2B supply and equipment company, owning the entire technology stack from frontend development to server infrastructure, ERP management, and AI automation across all business platforms.

- Built and maintain company e-commerce storefronts and promotional landing pages with seasonal theming, responsive UI, and conversion-focused layouts across desktop and mobile
- Developed a modern 3D interactive rental website (RentCubao.com) using React.js and Three.js, featuring an integrated booking system, real-time chat, and admin dashboard for conversation tracking and meeting scheduling.
- Architected a 24/7 AI customer service chatbot running across 8 Facebook Pages, 3 Lazada stores, and TikTok Shop using n8n, Google Gemini, and custom REST integrations, with real-time HTTP scraping for live product stock and color availability
- Self-hosted Odoo 14 and Odoo 17 on Docker with Cloudflare Tunnel, eliminating cloud hosting costs and reducing external consultant dependency. Administer multi-company configuration, user access audits, inventory locations, and module customization for live business operations.
- Managed multi-cloud infrastructure across AWS, Oracle Cloud, and GCP, including DNS, domain routing, and secure tunnel configurations for production services.

- Managed Google Ads campaigns for SOHO furniture and equipment products: approximately 6,940 clicks and 119,000 impressions over five months on ~₱15,900 in spend, holding average CPC at ₱2.29 with a 5.8% click-through rate. Drove top 3 to 4 organic rankings for high-intent product keywords including mobile compactor and mobile shelves
- Set up Grafana Cloud observability with Alloy on Windows infrastructure, streaming Prometheus metrics and Windows Event Log data to centralized monitoring.
- Served as the single point of contact for all IT operations: hardware troubleshooting, network administration, software debugging, printer management, and system upgrades.

### IT Consultant (Intern)

*Elyon Solutions International Inc. | Makati City, Philippines*

*Jun 2024 – Sep 2024*

- Participated in live client demos and business requirement gathering for Odoo ERP implementations, gaining hands-on experience with Odoo framework, XML customization, and PostgreSQL.
- Contributed to custom Odoo module development, XML customization, and PostgreSQL configuration for client deployments

### Freelance Full-Stack Developer & IT Consultant

*Self-Employed | Remote*

*2022 – 2025*

- Currently engaged by an Australian-based sneaker reseller on an ongoing Shopify build: custom theme customization, in-house Shopify plugins built from scratch rather than off-the-shelf apps, and 20 Python web-scraping bots that monitor stock, prices, and variants across major retailers like Nike, pushing real-time deal alerts to the client's Discord and feeding inventory decisions directly into the Shopify store
- Delivered web development, IT consulting, and automation solutions to 50+ clients across e-commerce, real estate, services, and small business sectors, sourced through Upwork, Quest, Freelancer, and direct referrals.
- Built custom web applications, landing pages, and third-party API integrations on Next.js, React, Node.js, and Python
- Mentor university students on capstone and thesis projects, including end-to-end software, hardware, and AI/ML integration work

### Chief Operations Officer

*Google Developer Student Clubs, TUP Manila*

*2024 – 2025*

- Directed organizational strategies and cross-functional team coordination across multiple technical events and programs.
- Served as emcee for UI/UX workshops and AI events, building public-speaking and stakeholder communication experience

## KEY PROJECTS

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### HOAManage – Paid Multi-Tenant SaaS Platform

- Live, paid multi-tenant SaaS for Philippine homeowners associations. Each HOA gets a branded portal for monthly dues collection, QR gate passes, service requests, violations tracking, vehicle registration, facility bookings, and announcements, with a superadmin panel to manage multiple organizations.
- Built on Next.js, TypeScript, React, Prisma, PostgreSQL, and Supabase, deployed on Vercel. PayMongo-integrated dues collection (GCash, Maya, cards, bank transfer, QR Ph) with CI/CD staging and manual production deployment.

### Multi-Platform AI Chatbot System

- Engineered 24/7 automated customer service chatbots deployed across Facebook Messenger (8 pages), Lazada (3 stores), and TikTok Shop.
- Real-time HTTP scraping of live product stock and color availability, custom HMAC-SHA256 request signing, automated 20-hour OAuth token refresh, and Tagalog/English/Taglish context-aware reply generation

### Automated Tomato Sorting System — YOLO11n on Raspberry Pi 5

- Lead developer of a production-ready end-to-end sorter: Raspberry Pi 5 running a custom-trained YOLO11n NCNN model classifying tomatoes as ripe, unripe, or rotten in real time,

achieving mAP@0.5 of 0.995 on a self-collected dataset annotated in Label Studio

- Arduino Uno handles thrice-servo sorting and IR detection over USB serial, driving a 12V conveyor with relay-controlled bin fans. Flask + WebSocket dashboard auto-launches in Chromium kiosk mode on a 7-inch touchscreen.

#### **Self-Hosted Odoo 14 ERP — Docker + Cloudflare Tunnel Deployment**

- Self-hosted and fully configured Odoo 14 Community Edition via Docker Compose for a long-established B2B company, with tailored modules for invoicing, inventory, HR, and operations.
- Exposed securely through Cloudflare Tunnel on a custom subdomain, eliminating cloud hosting costs and VPN overhead. Now maintaining both Odoo 14 and Odoo 17 environments side by side.

#### **Sneaker Stock Monitor — Shopify + 20 Scraping Bots + Discord (Australian Client)**

- 20 Python web-scraping bots monitoring stock, prices, and variants across major sneaker retailers including Nike, Adidas, Asics, END Clothing, and JDSports, pushing real-time deal alerts to the client's Discord
- Custom Shopify theme customization and in-house plugins built from scratch (not off-the-shelf apps) so the client can rapidly list acquired stock to his store

## **EDUCATION**

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### **BTVTED**

Major in Computer Programming

*Technological University of the Philippines, Metro Manila*

*Graduated August 2025*

## **LINKS**

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