

Jimmy Yan

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Thailand - Pathum Thani

SOFTWARE ENGINEER

Backend and platform engineer with 4+ years of experience designing and building production-grade systems, scalable microservices, and event-driven architectures in telecom and enterprise environments. Strong background in Python, Laravel, cloud infrastructure, and CI/CD automation, with hands-on experience delivering systems from architecture design through deployment and production support. Proven ability to work across domains, collaborate with cross-functional teams, and lead small engineering efforts. Currently strengthening expertise in data engineering and MLOps to build reliable, AI-ready systems at scale.

SKILLS

CORE STACK	ARCHITECTURE	DEVOPS	TESTING
Python, Flask, Django	MySQL, Oracle, Redis	Docker, CI/CD	Unit Testing
JQuery, React	Microservice Architecture	GitHub, Git Lab	JMeter
PHP, Laravel	Event Driven Systems	AWS, RHEL	Agile / Scrum
MEAN stack	REST APIs, SOAP	Shell Scripting, Cron	

PROFESSIONAL EXPERIENCE

Self-Employed — Thailand (Remote)

Current

- Designed and delivered an **Enterprise Content & Data Management Platform** with **Laravel + Vue.js** for NOV Rig Technologies, supporting engineering and operational workflows.
- Built a system to **digitize complex engineering PDFs into structured CMS data**, enabling automated report generation and operational insights.
- Designed data models, background processing workflows, and **REST APIs** to support scalable content ingestion and management.
- Led a **2-person engineering team**, assigning tasks, conducting code reviews, and ensuring delivery quality.
- Managed **UAT, bug fixing, and production support**, working directly with stakeholders to refine requirements and ensure system reliability.

Software Engineer — Ooredoo Myanmar Limited (On Site)

March 2023 - Oct 2025

- Designed and developed backend microservices using **Python (Flask, Django)** to support critical telecom platforms and internal systems.
- Contributed the **migration of a customer loyalty platform** from a **monolithic Laravel architecture** to **Python-based microservices**, improving scalability, maintainability, and deployment reliability.
- Contributed to **solution design and database architecture** for an eSIM platform, enhancing user experience and operational efficiency.
- Developed **automated VoLTE provisioning services**, integrating with telecom core systems to streamline service activation and reduce manual operations.
- Built a **Laravel-based operational portal (BFF pattern)** to expose backend services securely for internal teams.
- Designed and integrated **event-driven microservices**, collaborating with external vendors to meet evolving business requirements.
- Developed multiple internal portals using **PHP and Python**, integrating with heterogeneous systems across departments.
- Supported production systems through **monitoring, debugging, and performance optimization**, ensuring high availability for mission-critical services with **Prometheus and Grafana**

Web Developer — Axle Tech (Hybrid)**Oct 2022 - March 2023**

- Acted as the **primary backend developer** in a lean team environment with no senior engineers, taking ownership of backend design and implementation decisions.
- Redesigned and re-architected the backend and database schema** for a production web application developed for Axle Tech's parent company, improving data consistency, query performance, and long-term maintainability.
- Designed and implemented **RESTful backend services** using Laravel, supporting core business workflows and frontend integration.
- Performed **end-to-end testing**, including functional testing and backend validation, to ensure system reliability prior to deployment.
- Collaborated directly with stakeholders to clarify requirements and translate business needs into backend solutions.
- Maintained version control workflows using **Git/GitHub** and practiced structured debugging and issue resolution in a fast-paced startup environment.

Intern — SoftComm by KMD (On Site)**August 2022 - Oct 2022**

- Participated in the development of a **real-world Point-of-Sale (POS) system** using **Laravel, JavaScript, and Bootstrap**, simulating production-grade business workflows.
- Worked in an **Agile/Scrum environment**, participating in sprint planning, daily stand-ups, task estimation, and sprint reviews.
- Gained hands-on experience with full **software development lifecycle (SDLC)** practices, from requirement analysis to implementation and testing.
- Strengthened teamwork and communication skills by contributing to group development tasks under tight timelines.

PERSONAL PROJECTS**Freelance**

- Enterprise CMS for NOV Rig Technologies, Chat Bots**

Websites

- Air Pollution Website, Food-Ordering Website, IT sales Website

Android App

- M-expense App to track internal employees' business expenses

iOS App

- Dice App, Xylophone App, and Egg timer

Computer Vision

- Interactive CV Toolkit (Webcam) — Real-time color modes, filtering, edge detection, panorama stitching, camera calibration, and AR rendering with 3D models.
- Implemented YOLOv8 + GrabCut hybrid segmentation, built an FCN (ResNet18 encoder) with upsampling comparison on COCO, and developed a convolutional VAE on MNIST with latent-size analysis

EDUCATION & CERTIFICATIONS**Masters in Computer Science (Pursuing)**

Asian Institute of Technology

Bachelor of Science(Hons) in Computing

GPA - First Class Honors

University of Greenwich

Level-5 Diploma in Computing

GPA - Distinction

NCC Education

Level-4 Diploma in Computing

GPA - Merit

NCC Education

LANGUAGES**Burmese**

Native

English

Bilingual

Japanese

Novice