

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

Python, Flask, Django
jQuery, React
PHP, Laravel
MEAN stack

ARCHITECTURE

MySQL, Oracle, Redis
Microservice Architecture
Event Driven Systems
REST APIs, SOAP

DEVOPS

Docker, CI/CD
GitHub, Git Lab
AWS, RHEL
Shell Scripting, Cron

TESTING

Unit Testing
JMeter
Agile / Scrum

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