KONGPHOP THONSUNGNOEN

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PROFESSIONAL SUMMARY

Specializing in **AI-driven web applications** and high-performance backend systems. Expert in bridging the gap between traditional software architecture and **modern Generative AI technologies** to create automated workflows for HR and CRM. Focused on delivering cost-effective, self-hosted solutions that maximize business efficiency and data privacy.

TECHNICAL EXPERTISE

- **AI Integration & Process Automation:**
  - **Generative AI Implementation:** Expertise in integrating Large Language Models (LLMs) via APIs to build intelligent features like **document parsing** (for HR/Resumes) and **automated content generation** (for Sales/CRM).
  - **Intelligent Workflows:** Designing systems that move beyond simple data entry to predictive assistance and automated decision support.
- **Backend & Web Architecture:**
  - Expertise in **Python-based web frameworks (Django, Flask)** for building robust internal tools, scalable APIs, and customer-facing platforms.
  - Development of secure, RESTful architectures suitable for enterprise integration.
- **High-Performance Computing:**
  - Utilization of **Rust** for memory-safe, high-efficiency system components, ensuring software reliability and speed for critical tasks.
- **Infrastructure & DevOps:**
  - Advanced proficiency in **Linux Systems (Arch, Debian)**.
  - Specialized in managing **Self-Hosted** environments to minimize client cloud costs and maximize data control.

EDUCATION & ACADEMIC HIGHLIGHTS

- **King Mongkut's Institute of Technology Ladkrabang (KMITL)**
  - *B.Eng. in Software Engineering (International Program)*
  - Focus: Advanced Algorithms, System Architecture, and International Standard Software Practices.

KEY PROJECTS & CAPABILITIES

- **Custom Web Application Development:** End-to-end development of responsive web solutions using Python (Django/Flask), tailored to specific business logic.
- **Server Management & Optimization:** Deployment and maintenance of Linux-based servers, offering clients a lower total cost of ownership compared to expensive managed cloud services.
- **System Reliability:** Leveraging modern compiled languages (Rust) to optimize critical software paths, ensuring stability under high load.

HONORS & AWARDS

Gold Medalist, Web Application Development (2023)

- *Regional Academic Competition:* Secured **1st Place (Gold Medal)** in the Web Application Creation category.
- Recognized for end-to-end development skills, from database design to frontend user interface, under strict competitive time limits.

Champion, Computer Programming Competition (2024)

- *Regional Science Week:* Secured 1st Place in algorithmic programming competition organized by Faculty of Science, Rambhai Barni Rajabhat University.

AI & Robotics Innovation Award (2024)

- *Sponsored by PTT Group & VISTEC:* Recognized for AI project development under the mentorship of VISTEC (Vidyasirimedhi Institute of Science and Technology) and PTT Group.

PIM AI Challenge Award (2024)

- *Sponsored by YASKAWA & CP ALL:* Awarded for designing a commercially viable AI solution for industrial automation.

2nd Runner Up, Newton Coding & Robotics Contest (2025)

- Demonstrated excellence in rapid software deployment and robotic logic control.