

SUMET SUANSAMRAN

SOFTWARE ENGINEER/AI ENGINEER

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EDUCATION

King Mongkut's Institute of Technology Ladkrabang
(2020-2024)

Bachelor of Engineering - Computer Engineering
GPA :3.38 (Second Class Honors)

Ratwinit Bangkeao School
(2014-2020)

Science & Math Program
GPA : 3.5

EXPERIENCE

KBTG (Kasikorn Business-Technology Group)

Software & AI Engineer | 2025 – Present

- **Auto-Approval Service**
 - Designed and deployed a scalable microservice for automatic document approval using Google Cloud Run
 - Enabled real-time decisions, reducing manual processing workload by over 70%
- **Document Complexity Classification (YOLOv10)**
 - Trained YOLOv10 model to classify document complexity (e.g., simple vs. structured)
 - Achieved >90% accuracy using custom-labeled datasets and advanced augmentation
- **Document Processing Web App**
 - Developed a web-based tool to process, manage and convert various document formats (PDF, Excel, Word, PowerPoint, Images) into Markdown
 - Integrated OCR capabilities to extract text from images and scanned documents
 - Optimized output format for downstream use in Retrieval-Augmented Generation (RAG)
 - Containerized the application for easy deployment on cloud or on-premise environments

KBTG (Kasikorn Business-Technology Group)

AI Engineer (Apprenticeship) | 2024

- **Athena-mind (Chatbot Framework)**
 - Built gRPC-based inter-service communication; applied Clean Architecture &DDD
 - Deployed chatbot on Microsoft Teams via Azure Bot Framework, collecting real human feedback
- **THaLLE (Financial LLM)**
 - Deployed LLM on Google Vertex AI; implemented dynamic endpoint switching & cost-saving automation
 - Integrated THaLLE with chatbot framework for real-time financial query resolution
- **Agent Manager**
 - Designed agent routing mechanism for intelligent task delegation across LLMs
 - Built API-based access for integration with external services

SUPER AI ENGINEER Program – AIAT

AI Engineer & Researcher (Contract) | 2024

- **Thai Image Captioning**
 - Fine-tuned BLIP2 with SeaLLM to generate accurate Thai image captions
- **Table-Based Q&A (Thai)**
 - Trained LLM to interpret Thai tables and generate pandas code; improved performance via prompt engineering
- **Legal Act Classification**
 - Used ReAct prompting with LLMs to classify Thai legal texts; augmented dataset with synthetic samples
- **LLM for Data Science**
 - Automated EDA and feature engineering using LLMs and agent-based orchestration
- **Liver Ultrasound Detection**
 - Applied pix2pix & RealESRGAN to enhance medical images; trained YOLOv10 models for clinical object detection on Lanta supercomputer

EXPERIENCE

Primo World, Bangkok
Software Developer / 2023

- **Web-App**
 - Developed a mobile application integrated with LINE for a loyalty program.
 - Built the front-end user interface using Vue.js and admin panel using AngularJS.
 - Developed back-end services with NestJS to support business logic.
 - Participated in code reviews to ensure code quality and performance optimization.

PROJECT

Ezcom (Gaming Gear Trading Platform)

Full Stack Developer / 2023

- Designed software systems (user stories, ER diagrams, etc.).
- Built the user interface using ReactJS and developed RESTful APIs with Gin.
- Maintained database and user management using MongoDB and Firebase.

Life at KMITL WebApp in LINE Official Account

Full Stack Developer / 2022

- Designed the software architecture following DDD principles.
- Built backend APIs with NestJS for sharing notes and managing PDF files.
- Developed frontend pages using ReactTS with functionality for downloading files and liking posts.
- Applied OOP principles and design patterns like Abstract Factory, Adapter, and Command.

BlogBlog Web Blog

Full Stack Developer / 2022

- Developed RESTful APIs using the Django framework as the backend service.
- Maintained the database and user management with MongoDB.

Black Jack Game Desktop Application

Full Stack Developer / 2021

- Built a Black Jack game using Java and JavaFX.
- Implemented principles of Object-Oriented Programming (OOP).

Dorm Management Website

Full Stack Developer / 2021

- Designed software systems (user stories, ER diagrams, etc.).
- Developed the user interface using ReactJS and built RESTful APIs with Express.js.
- Maintained the database and user management with MongoDB.

SKILL

Language	Technical	AI/ML	Tools	
<ul style="list-style-type: none">• Python• Golang• Java script• Type script• Java• C / C++• SQL• HTML/CSS/JS	<ul style="list-style-type: none">• OOP• Data Structure• Algorithm• Clean code• SOLID principle• Design pattern• Concurrency• Multi Thread• Monitoring	<ul style="list-style-type: none">• ML Algorithm• Deep learning• Transformers• LLM• Generative AI• RAG	<ul style="list-style-type: none">• React.js• Next.js• Nest.js• Fast API• Docker• Git• Langchain• YOLO• HuggingFace• GCP• Azure	
			<ul style="list-style-type: none">• panda• PyTorch• OpenTelemetry• Kafkra• Prometheus• Grafana• Jenkins• Kong	