

## Santi Liwsakphaiboon (OFF)

---

Bangkhuntian • Bangkok, 10150 • santi.liwsakph@gmail.com • +66-873-493-482

**Certifications:** Microsoft Azure AZ900, Professional Scrum Master (PSM I)

### Summary

Senior Software Engineer with 7+ years building highly scalable platform in financial services. Specialize in distributed back-end systems, configuration-driven deployment automation, and full-stack delivery, with growing expertise in LLM-based agents and agentic workflow automation. With a track record of owning features end-to-end, driving measurable adoption gains, and mentoring engineers.

### Experience

#### Refinitiv Thailand (London Stock Exchange Group)

Bangkok, Thailand

##### Senior Software Engineer

Apr 2021 – Present

- Built LLM-based automation AI agents that streamline internal engineering workflows, reducing manual operational effort on repetitive task.
- Design, build and maintain highly scalable C# [ASP.NET](#) and NodeJs platform services for LSEG Workspace, serving 120k customers globally.
- Drove a **40% increase in conversion** from Eikon 4 to LSEG Workspace by rolling out the ‘Admin Managed Configuration’ feature to support user migrations.
- Own 3rd-level production support and root-cause analysis for critical platform incidents.
- Partner with platform engineers across teams to deliver Workspace workflows and align shared components, eliminating duplicated effort.
- Built and operate automated CI/CD pipelines based on version-controlled configuration, orchestration, and automated deployment / configuration management.
- Perform 3<sup>rd</sup> level support and root cause analysis on production level.
- Increase 40% conversion rate from Eikon 4 to Refinitiv Workspace with feature “Shared Configuration” on Admin Panel.
- Work as part of a Scrum team, leading Agile SDLC processes and guiding junior members of the team

#### Solution Architect (Job Shadow Program) — Time Series Team

July 2024 – Oct 2024

- Selected for a cross-team job-shadow rotation as a solution architect on the Time Series team.
- Studied the end-to-end architecture of the Tick History and Time Series platforms (enterprise-scale storage and delivery of high-volume historical market data), gaining hands-on exposure to distributed data architecture and design trade-offs.

#### True Digital Group

Bangkok, Thailand

##### Software Engineer (Outsource)

Nov 2020 – Mar 2021

- Interact with product team, gather business requirements, and design technical solutions to support over 13 million users and average 1.9 million visits per month on web platform.
- Develop new component UI to support high volume websites.
- Contribute to agile and scrum process, e.g., Knowledge sharing session, team building.
- Practice BFF (Backend for Frontend) pattern and implement micro services to support product across multiple platforms.

#### Government Saving Bank

Bangkok, Thailand

##### Software Engineer (Consult)

Mar 2020 – Oct 2020

- Help the bank to digital transform NPL/NPA management workflow into web application base.
- Reduce cumbersome processes and standardize asset valuation methodology.
- Implement the system able to provide Early Warning Signals (EWS), categorize Special Mention
- Expose to clients for applying the expertise to any interesting technical problems.

#### Ananta Solutions Co., Ltd

Bangkok, Thailand

##### Software Engineer

Jul 2019 – Mar 2020

- Research possibility of promoting cannabis as a cash crop for Thai farmers.
- Build BI Dashboard for monitoring and keep track of cannabis flow in Thailand from seeding to production.

## Santi Liwsakphaiboon (OFF)

- Build BI Dashboard for monitoring side effect of using hemp for medical purpose.
- Design database and implement APIs.
- Visualize data to display in easy-to-understand format for users.

### Les-Bains, University of Applied Sciences of Western Switzerland (HES-SO)

Yverdon-les-Bains, Switzerland

#### Internship Software Engineer

Feb 2019 – Jun 2019

- Research and conduct experiment in the topic of Deep Learning for Image Processing.
- Train a custom system to recognize objects.
- Embedded system on a smartphone or light computing system (Raspberry Pi).
- Design database and implement APIs.
- Implement system to match given pose and find a scene where a character exhibits a similar pose using PoseNet .

## AI & Engineering Projects

### Autonomous Multi-Agent System — AI-Operated Startup Architecture

2025 – Present

- Design a hierarchical multi-agent system (CEO orchestrator coordinating Software, Product, Marketing, and Sales department agents with specialist subagents) built on LLMs.
- Engineered the operational stack (Github Issues task queue, Discord human interface) with a “draft, don’t ship” human-in-the-loop approval policy

### Quantitative Trading Research Framework

2025 – Present

- Built a reusable, asset-agnostic research methodology and runnable Python scaffold for turning market hypothesis into validated, backtested trading signals.
- Embedded guardrails against overfitting and look-ahead bias; applied across equities, options, and crypto using Monte Carlo and options-pricing models.

## Education

### Assumption University of Thailand

Bangkok, Thailand

Bachelor of Engineering, Computer Engineering. GPA 3.15

24/01/2020

Conference publication:

- Narong Aphiratsakun, **Santi Liwsakphaiboon**, “Path Control iRobot Create2 based sensors”. *International Conference on Advanced Technology Innovation 2019*.
- Anand Dersingh, **Santi Liwsakphaiboon**, Sunchanan Charanyananda, Apusara Chaiyaprom, Nuchchada Domsrifah, “Customer Recognition and Counting by Cloud Computing”. *International Technical Conference on Circuits/Systems, Computers and Communications 2019*.

## Leadership & Activities

### Refinitiv Thailand (London Stock Exchange Group)

Bangkok, Thailand

#### Software Engineer

Apr 2021 – Present

- Represent Admin Tools team in Workspace Wednesday Events, to summary team’s quarterly contribution.
- Guide interns during internship period to be able to work in fast pace and professional environment.
- Manage knowledge sharing session, to share some interesting knowledge to the team.

### Government Saving Bank

Bangkok, Thailand

#### Software Engineer

Mar 2020 –Oct 2020

- Lead squad consist of 4 developers and 1 QA.
- Demo product features to clients and discuss business workflow to digitalize.

## Skills & Certifications

**Language & Paradigms:** ASP.NET C#, Typescript, Javascript, OOP & Functional Programing, VueJs, ReactJs, ElectronJs, NodeJs

**Framework & Tools:** Vue.js, React.js, Electron.js; REST/Web API microservices, BFF; CI/CD, Git, SQL, Azure, Google Cloud, AWS, Firebase.

**AI & ML:** LLM-based agents & multi-agent orchestration, agentic workflow automation, prompt engineering; deep

## **Santi Liwsakphaiboon (OFF)**

learning & edge deployment

**Certifications:** Microsoft Azure AZ900, Professional Scrum Master (PSM I)

**Spoken Languages:** Thai (Native), Chinese (fluent), English (Professional Working Proficiency)