

Tanakorn Karode

Senior Software Engineer · Data & AI Consultant

Bangkok, Thailand · +66-83-520-4118 · tanakorn.karode@gmail.com
github.com/SainyTK · linkedin.com/in/tanakorn-karode · Google Scholar

SUMMARY

Senior software engineer and data/AI consultant with 8+ years across data engineering, LLM applications, and EVM blockchain. Delivering AI-integrated data platforms at bank scale (8,000+ users, trillion-row daily pipelines). Former CTO of a 30+ engineer team, author of 10+ peer-reviewed papers, and repeat international hackathon winner (ETHGlobal, Chainlink, Bitkub).

SKILLS

Primary: TypeScript, Python · **Data & AI:** BigQuery, ETL pipeline design, data mart modeling, LLM integration (RAG, AI copilots) · **Backend & Web:** Node.js, Nest.js, Next.js, React / React Native, MongoDB, Postgres · **Blockchain:** EVM smart contracts (Solidity), DeFi, cross-chain (Axelar, LayerZero, Chainlink CCIP) · **Leadership:** team management (30+), stakeholder consulting, incident / change management

EXPERIENCE

Siametrics Co., Ltd. - Data Consultant & Senior Software Engineer

May 2024 – Present · Thailand

- Led an **AI-integrated retail banking dashboard for 8,000+ employees** of a leading Thai bank - from data mart to LLM analytics copilot.
- Migrated legacy on-prem sources to **BigQuery** and built ETL pipelines processing **trillions of rows/day**, cutting data latency from **months to 2-7 days**.
- Shipped an **AI copilot** letting bank tellers self-serve performance queries and analyses without analyst support.
- Built an **AI insurance recommendation system** for Financial Planners and RMs: structured unstructured product data into an expert-derived rules model, mapped premiums to customer profiles, surfaced every coverage calculation, and used an LLM to generate risk-aware sales scripts proposing minimal-premium bundles.
- Consulted a major bank subsidiary on **AI adoption** - ran surveys and analysis, presented an org-wide review, and identified time sinks and AI opportunities to cut information loss across multi-hop meetings.
- Drove an **AI rules & regulations copilot** to its **80% accuracy target** and established systematic incident / change-request management.

Finstable Co., Ltd. - Chief Technology Officer

2021 – 2024 · Thailand

- Led a **30+ member** blockchain team delivering token payments, AMM systems, token rewards, real-estate tokenization, and token bridging.
- Built **YES Token**, a crypto lending platform on Bitkub Chain (Next.js, Nest.js, Solidity); produced **four winning hackathon projects** in two months.
- Supported Thai SEC digital license applications (ICO Portal, Exchange, Dealer) and partnered with **Chintai** and **Polygon**.

Earlier roles

- Software Engineer, Trinket Inc.** (2023) - Full-stack social app (React Native, Node.js, MongoDB); improved NFT-claim throughput via queue/batch processing.
- Blockchain Researcher, BLOCK Research Team** (2019–2024) - Published 10+ peer-reviewed papers; supported blockchain courses and workshops.
- Junior Developer, YuuZoo Platform** (2018–2019) - Android/iOS apps (Java, React Native).

SELECTED PROJECTS

- Sheeta AI** (2025 – Present) · [sheeta.ai](#) - Founder of an AI-native database client (desktop app) pairing a full SQL workbench with an AI agent for natural-language querying and data exploration. Supports PostgreSQL, MySQL, BigQuery, and more, with local credential handling and column-level AI permission controls.
- Azurance** (2023) · [devpost.com/software/azurance](#) - Decentralized parametric insurance protocol; users provide liquidity for yield and buy coverage against events like pandemics or DeFi hacks. *Solidity, Next.js*.
- Shout Protocol** (2023) · [ethglobal.com/showcase/shout-protocol](#) - Web3 social platform that boosts post reach via deposited, yield-generating assets, splitting yield between platform and authors.
- Supercall** (2023) · [devpost.com/software/supercall](#) - Cross-chain layer to compose multi-chain transactions in a single line of code; built on Chainlink CCIP, Axelar, LayerZero, and Hyperlane.
- Videfi** (2023) · [ethglobal.com/showcase/videfi](#) - Web3 video platform binding content ownership to NFTs on a decentralized file network, with token-gating and a content marketplace.

EDUCATION

M.Sc. in Computing, Prince of Songkla University - 2021 · **B.Eng. Computer Engineering**, PSU - 2019 (GPA 3.73/4.0)

HIGHLIGHTED AWARDS & PUBLICATIONS

- Winner**, DeFi category - Chainlink Constellation Hackathon 2023 · **First runner-up** - BitkubBlockathon 2023, ETHGlobal Online 2023, HackFS/ETHGlobal 2023 · **First runner-up**, Thailand ICT Award (TICTA) 2020
- 10+ peer-reviewed publications on blockchain security & DeFi - full list on [Google Scholar](#). Selected: *NativeVRF* (Systems, 2023); *Flash Loan Attack Analysis Framework* (Informatics, 2022, Scopus Q1); *Robustness of a Blockchain-Based Review System* (Peer-to-Peer Networking & Applications, Springer, 2020); *Blockchain-Based Global Travel Review Framework* (IJACSA, 2020); *Performance Analysis of a Trustworthy Online Review System Using Blockchain* (ECTI-CON, 2020).