

Kiattiphong Manovisut

Smart Contract Developer · Backend Engineer

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SUMMARY

Engineer with 7+ years of backend experience and 5+ years in Web3, building smart contracts and production services across Solana, Sui, Cosmos, and EVM. Systems-level in Rust and Go — microservices, on-chain data pipelines, and real-time systems — with deep hands-on experience in on-chain NFT and token mechanics (Compressed NFTs, Token-2022 transfer hooks, evolutionary NFTs). Comfortable owning a feature end to end, from Anchor / CosmWasm / Move contracts to the services and APIs that power them.

CORE SKILLS

- **Smart Contracts:** Solana (Anchor / Sealevel), Sui Move, CosmWasm, Solidity / EVM
- **On-chain mechanics:** SPL Token-2022, Transfer Hooks, Compressed NFTs (cNFTs), PDAs, IBC
- **Languages:** Rust (primary backend), Go, Sui Move, TypeScript, Solidity, Python
- **Backend & Infra:** Microservices, REST/gRPC, Protobuf, Docker, GitLab CI, MongoDB, GCP, WebRTC
- **Frameworks:** Anchor, Cosmos SDK, CometBFT

EXPERIENCE

Co-Founder — Moose Labs

May 2024 – Present · Remote

Web3 studio building yield infrastructure across Solana and Sui. Shipped [moose.market](#) (Solana yield vault, \$30k TVL, ~20% APY) and [Red Ocean / redUSD](#) (stablecoin yield routing on Sui Move). [Byte Cat](#), the studio's research arm, drives R&D across both ecosystems.

Blockchain Developer — Avareum

Jul 2021 – Apr 2024

Built smart contracts and off-chain services across CosmWasm, EVM, and Solana for a DeFi asset-management product.

- Smart contracts on Terra (CosmWasm), Solana (Anchor Framework), and Arbitrum One (Solidity/EVM).
- Backend services in Go, Rust, and TypeScript to collect and process on-chain data.

Blockchain Engineer — OxNil Labs

Nov 2020 – Feb 2024 · Remote

Research on Ethereum and development on Solana and the Interchain Stack (CometBFT, Cosmos SDK, IBC). Operated validator/infra across Cosmos networks (Osmosis, Neutron, Archway, Terra, Sei, and others).

Backend Developer / Lead iOS Developer — NECTEC

Nov 2018 – Jul 2021

Team lead for Thailand's Real-time Captioning Service.

- Led core WebRTC development for real-time voice streaming and the supporting Go backend (Docker, MongoDB, GitLab CI).
- Shipped production apps, including TTRS Video (deaf relay service, CallKit) and DDC-Care, officially used by the Department of Disease Control.

Earlier: Senior iOS Developer — Spinsoft (2015–2017, VIPER architecture) · Mobile Developer & Co-researcher — NECTEC (2012–2015)

SELECTED WEB3 PROJECTS

- **Evolutional NFTs (BSC)** — On-chain evolution mechanics inspired by Pokémon and Tamagotchi, demonstrating stateful NFT behavior at the contract level.
- **SPL-Token 2022 Transfer Hook with Anchor** — First open-source demonstration of the transfer-hook extension implemented with Anchor.

- **Anglerfish (Sui)** — On-chain fair lottery (fund the prize, mint a chance, win the pool); Sui Overflow 2025 submission.
- **maxSOL (Solana)** — LP token that auto-optimizes staking yield by rebalancing across top-performing LSTs; Colosseum Eternal 2025.
- **Cross-chain fund router & portfolio aggregator (Go)** — Backend services monitoring bridged-asset events and tracking positions across multiple DeFi protocols and chains.
- **Investment executor programs** — Anchor (Solana) and CosmWasm (Terra) contracts that receive funds and execute strategies across integrated protocols.

SPEAKING & COMMUNITY

- Speaker at Superteam Thailand, Solana x AI Builders, and Terra Meetup on topics including: building NFTs with Metaplex, Compressed NFTs, Token-2022 Transfer Hooks, x402 agent micropayments, Solana Liquid Staking, and PDA vs EVM account models.
- Judge — Solana Radar Hackathon (Superteam Vietnam x Thailand).

EDUCATION & CERTIFICATIONS

- **M.Sc. Computer Science** — Thammasat University (2018)
- **B.Sc. Computer Science** — Mahasarakham University (2012); ACM-ICPC Asia Regional participant
- **Certified Smart Contract Developer (CSCD)** — Blockchain Council (2021)