BAO NGUYEN NGOC GIA (BERNIE)

BLOCKCHAIN ENGINEER | MOVE DEVELOPER | FULL-STACK WEB3 BUILDER

CONTACT

Email: bernie.web3@gmail.com
Portfolio: https://bernie.bolt.host
GitHub: https://github.com/bernieio
LinkedIn: https://www.linkedin.com/in/bernieio/

PERSONAL STATEMENT

Builder-driven, product-oriented blockchain engineer with strong hands-on experience in **Move, Sui DeFi systems, decentralized coordination protocols, and AI-augmented development**. Adept at transforming complex technical concepts into production-ready blockchain applications with clear impact, security, and performance. Passionate about building scalable, real-world solutions on the Sui ecosystem.

SKILLS

Blockchain & Smart Contract Development

- **Move (Sui)**
- Solidity
- Algorand (Python SDK)
- DeepBook integration
- Walrus integration

Frontend & Full-Stack Development

- TypeScript
- React.js
- Next.js
- Tailwind CSS
- Node.js

Tools & Workflow

- Git / GitHub
- Cursor IDE
- Claude Code / AI-assisted development

CAREER OBJECTIVE

To contribute as a **Web3 + Move Smart Contract Engineer**, leveraging full-stack blockchain skills to build secure, scalable applications and foundational DeFi infrastructure.

EDUCATION

University of Transport and Communications – Campus in HCMC
2020 – 2025
B.Eng. in Information Technology (2020–2025)
Graduated with **Grade A** for Final Thesis

FEATURED PROJECTS

ORLIM

Role: Founder & Lead Developer
Tech: Move, TypeScript, Next.js, DeepBook, PTB, Sui Object Model
GitHub: https://github.com/bernieio/bernie-projects/tree/main/orlim
Description: A fully on-chain limit order engine for Sui featuring **Limit Order, OCO, and Time-in-Force**, leveraging Sui's object-centric model and parallel transaction execution. Each order is represented as a unique Sui Object for transparency and ownership.
Impact:

- Achieved **~67% lower gas cost** vs existing solutions on Solana/BNB.

- Native **MEV resistance** through PTB and predictable object states.
- Implemented **batch PTB execution** + flexible Order Receipt design.
- Runner-up at **Sui Bootcamp HCMC 2025 Hackathon**.

GRADUATE THESIS | GRADE A

"Mosaical – NFT Lending with Dynamic Yield-Backed NFT Financing"
A new financing model combining Peer-to-Pool and Fractional NFT Ownership, inspired by BendDAO lessons and frameworks from NFTX/Unicly. Built originally on Saga Chainlet; planned migration to Sui for better DeFi composability.

FEATURED PROJECT | FLOODGUARD

Role: Full-Stack Blockchain Developer
Tech: Sui Move, Walrus, Next.js 16, TypeScript, Mapbox GL, AI matching engine
GitHub: https://github.com/bernieio/bernie-projects/tree/main/floodguard
Description: A production-ready decentralized disaster relief coordination protocol using **Walrus decentralized storage**, **Move smart contracts**, and a real-time **AI-powered bipartite matching engine**. Designed to solve transparency and allocation inefficiencies in Vietnam's emergency response.
Impact:

- Optimized system load time from **13s → ~2s** with singleton + event-driven architecture.
- Precise geohash-based location (±19m) ensures accurate relief routing.
- Secure evidence storage via Walrus; fully transparent resource flows.
- Submitted to **Walrus Haulout Hackathon 2025**, AI x Data track.

LANGUAGES

English: B1 (VSTEP certified)
Vietnamese: Native

ACHIEVEMENTS & HACKATHONS

Web3 Ideathon 2025
Top 10 Finalist
SEA Ideathon 2025
Top 8 Finalist
TLS-Innovation 2025
Runner-up
Sui Bootcamp HCMC 2025 Hackathon
Runner-up
Walrus Haulout Hackathon 2025
Submitted, AI x Data Track