

# Tran Anh Tuan

## Blockchain Developer

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### SUMMARY

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I am a multi-chain smart contract developer specializing in **Solidity, Move (Sui, Aptos)**. My focus is on building secure, scalable DeFi protocols (Lending, Launchpads) and I have a strong understanding of transaction lifecycles, and multi-chain architecture.

### TECHNICAL SKILLS

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- **Programming Languages:** Move (Sui, Aptos), Solidity, Rell (Chromia), JavaScript, TypeScript, Python, C/C++
- **Frameworks and Libraries:** ReactJS, Hardhat, Thirdweb
- **Blockchain & Wallet Concepts:** Wallet Fundamentals (Mnemonic Management, Transaction Construction & Broadcasting), Account Models (EVM & Move), Transaction Lifecycles, Signature Mechanisms, Gas Mechanisms, Smart Contract Security, DeFi (Lending, DEXs, Launchpads).
- **English:** B2 First for schools (Cambridge)

### WORKING EXPERIENCE

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#### Blockchain Developer, Mirai Labs

Ho Chi Minh City  
April 2025 - Now

- Developed and maintained DeFi features across Launchpad (Funtasy), Lending Borrowing (Udon), focusing on smart contract logic and on-chain integrations.
- Designed and executed comprehensive unit tests to validate core DeFi actions and ensure contract reliability.
- Researched other DeFi protocols, analyzing innovative mechanisms to integrate new features into the projects.
- Worked with the TypeScript SDK to integrate smart contracts with frontend applications and streamline developer interactions.

### PROJECTS

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#### Udon Finance (Lending - Borrowing)

April 2025 - Now

- **Backed by Chromia Foundation**
- **Link website:** <https://udonfi.xyz/>
- **Techstack:** Rell, NextJS, React, Typescript
- **Description:** The first native lending and borrowing platform on Chromia blockchain with **400K\$ TVL**, enabling users to lend and borrow CHR, D, USDC, stCHR and AL-ICE tokens with competitive rates and seamless user experience
- **Responsibility:**
  - Developed core smart contract logic for borrow, repay, liquidate, and pool management in the lending–borrowing protocol.
  - Implemented comprehensive unit and integration tests to ensure protocol security and reliability.
  - Built a liquidation bot using the TypeScript SDK and deployed it in a VM environment for continuous background execution.
  - Optimized liquidation bot logic and reduced running time by 3x using BullMQ for efficient task queuing and processing.

- Designed a custom Liquid Staking mechanism for Chromia, extending beyond traditional staking support.

### Funtasy (Launchpad)

**May 2025 - August 2025**

- **Link website:** <https://pump.thefuntasy.ai/>
- **Techstack:** Aptos Move, NextJS, React, TypeScript
- **Description:** A next-gen token launchpad on Aptos that enables easy memecoin creation through bonding curves, with AI-driven social reputation and community validation to highlight high-quality projects and boost trader engagement.
- **Responsibility:**
  - Developed core logic for create pool, fee collection, buy, and sell functions in the bonding curve mechanism.
  - Implemented Graduation process for tokens — launching them on DEX Hyperion once they reached a specific amount of APT bought.
  - Wrote comprehensive tests to ensure correctness, security, and reliability of all bonding curve features

### Tasmil Finance (DeFI Gateway)

**August 2025 - Now**

- **Winner, VietBUIDL Hackathon and Vietnam Aptos Hackathon 2025**
- **Link website:** <https://tasmil-finance.xyz/>
- **Techstack:** Solidity, Aptos Move, NextJS, React, TypeScript, Vercel AI SDK, OpenAI GPT-4o, Wagmi, Ethers.js
- **Description:** An AI-powered DeFi gateway on the U2U blockchain that simplifies complex DeFi actions like swaps, lending, borrowing, and staking through natural language interactions. It also researches and optimizes yield strategies to maximize user APR via intelligent agents and real-time market analysis.
- **Responsibility:**
  - Designed and developed core Solidity smart contracts (EVM) to abstract and execute complex DeFi interactions (swaps, lending, staking).
  - Researched and analyzed third-party DeFi protocols (DEXs, Lending, Staking) to identify integration opportunities for the AI agent.
  - Performed technical due diligence by testing protocol SDKs, APIs, and interacting directly with smart contracts to map features and ensure compatibility.
  - Prototyped and defined automated yield strategies for the AI to execute on behalf of the user.

## EDUCATION

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### Bachelor of Computer Engineering

**Sep 2021 – March 2025**

- University of Information Technology (UIT) - VNU
- GPA: 9.0/10

## HONORS & AWARDS

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- The winner of "**VietBUIDL Hackathon 2025**" and "**Vietnam Aptos Hackathon**" at GM Vietnam 2025
- Certificate "**The Typical Valedictorians of HCM City in 2021**" by the Chairman of the People's Committees Phan Van Mai (46 typical valedictorians over more than 300 valedictorians in HCM City)
- Valedictorian in the "National High School Graduation Exam 2021" of University of Information Technology and Binh Thuan Province