

Hoang Phi Long

Software/RnD Engineer

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[Github](#)
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OBJECTIVE

I am a lifelong learner, blockchain, and AI enthusiast, problem solver, solution-focused, start-up spirit, and business-oriented. Especially, I want to leverage AI Agent for productivity. My motto is "Knowledge is the only thing that nobody can take away from me." I am looking for an enterprise where I can use all my knowledge to make us stronger, scale up our careers, and benefit everyone.

EDUCATION

Hanoi University of Science and Technology
School of Electronics and Telecommunications,
CPA: 3.18/4

Oct 2018 – Mar 2023

EXPERIENCES

Krystal – Kyber Group

2022 – Present

R&D Software Engineer – Full-time – Hybrid

- Build **Krystal Wallet Extension** (cryptocurrency wallets like Metamask and Trust Wallet) using React and Chrome Manifest v2.
- Build **Krystal DApp** (EVM-focused, support exchange, liquidity management, provisioning, and automation) using React with Chakra UI, Go, and GCP. Integrate 3rd party services that bring revenue.
- Build **Subscription with NFT** smart contract to manage user subscription by issuing NFT using Solidity, Hardhat that working on 2 EVM chains.
- Build **Krystal Vault** smart contract to manage assets and interact with strategies (LP, Staking,...) using Solidity, Hardhat, Foundry that working on 7 EVM chains.
- Build **V4Utils** smart contract to easily manage liquidity position for Uniswap V4 using Solidity, Foundry that working on 10 EVM chains.
- Build Krystal Agentic System based on ElizaOS framework.
- Build **Krystal ILO** (Initial Liquidity Offering) using NextJs with Chakra UI.
- Build **liquid.fun** (Meme launchpad with Liquidity Pool and other mechanisms) using NextJs with Chakra UI.
- Build Krystal's landing page using NextJs with Chakra UI, and SEO optimization that archives 88/100 performance scores and triple 100/100 best practices, SEO, and accessibility scores.
- Maintain Krystal Launchpad (an IDO platform).
- Build bots to interact with blockchain using NodeJs, Python, and Go.
- Effectively contribute to business impact.

Side Projects

Business:

- AI-powered customer support chatbots AaaS with RAG (Next.js + tRPC + PostgreSQL)
- **Smale** (Smart Learning), a gamification-style mobile learning app where users create learning goals, get AI-generated roadmaps, and track progress visually (Flutter + Go)
- L2s Flash Loan Aggregator (Foundry + Rust + React)

Bots:

- Arbitrage bot for cross-platform prediction markets (Rust)
- DeFi protocols (DEXs) arbitrage bots engine with multiple strategies (Foundry + Rust)

- Polymarket copy trading bot (Rust)
- Binance trading bot with backtesting strategy selection (Rust)
- Vietnam social affiliate orchestrator for TikTok, YouTube, and Facebook (Node + Fastify + FastAPI)

Open source:

- **Hearable**, a real-time, on-device captioning and speaker identification for Deaf and hard-of-hearing users (Rust + Homebrew)

Airdata Technology

2023 – 2025

Software Engineer – Part-time – Remote

1 year 8 months

- Implement business APIs (flight management, accounting, automated execution cronjobs).
- 3rd party airlines and distributors API integration (Vietnam Airlines, Amadeus, Sabre, Jetstar, Scoot, AirAsia,...).
- Effectively communicate with partners.
- Retail website using VueJs.

DevZone Lab.

2021 – 2022

Software Engineer – Freelance – Hybrid

9 months

- Build a fashion shop website (Lasy) using NextJs, ExpressJs, MySQL, and AWS.
- Build a pharmacy shop website frontend using ReactJs.
- Mentor for a firmware contest at the university.

Fagolabs

2021

Software Engineer – Part-time – On-site

6 months

- Build portals for Network and security devices.
- Build a landing page using NuxtJs to promote SEO and Strapi CMS
- Build a product showcase page using WordPress
- Deploy pages on self-hosted server

TECHNICAL SKILLS

<i>Domain</i>	Blockchain (DeFi), AI, Fintech, E-commerce, Loyalty, Network and Security, Aviation
<i>Programming</i>	Typescript, Python, Go, Rust, Shell, Solidity
<i>Databases</i>	MySQL, Postgres, MongoDB, SQLite, Elastic
<i>Frameworks</i>	NodeJS, Gin, FastAPI, VueJS, NuxtJS, ReactJS, NextJS, React Native, ElectronJS, WordPress, Storyblok, Strapi
<i>Computer vision</i>	OpenCV, Tesseract
<i>Deployment</i>	AWS, GCP, Oracle Cloud, Netlify, Vercel, Cloudflare, Heroku, ngrok
<i>Tools</i>	Claude, Cursor, Codex, Git, Postman, Docker, SEO, Ganache, Tailscale, Figma, Notion

PUBLICATIONS

Proposing System to Recognize Emotions in Public Network Using PhoBert Deep Learning Model

2022 9th NAFOSTED Conference on Information and Computer Science (NICS)

<https://ieeexplore.ieee.org/document/10013321>

Emotion Recognition System to Suggest and Respond to Vietnamese Using PhoBert Model

Conference: 2023 8th International Scientific Conference on Applying New Technology in Green Buildings (ATiGB)

<https://ieeexplore.ieee.org/document/10364420>

HONORS & AWARDS

NFT Wallet – ETH Vietnam 2024

Mar 2024

Silver Winner of Polygon Technical - Top 1 of DoraHacks – Winner of Polygon non-technical

Browser extension for NFT-linked smart contract wallet using ERC-6551

A unique browser extension for smart contract wallets that are linked with NFTs in a way that the owner of the NFT can control the wallet, and transferring a wallet is now as easy as transferring an NFT. You can use our extension to create smart contract wallets then connect to dApps and make transactions just like you're on Metamask or Rabby.

Key features:

- Create a smart account (NFT-linked smart contract wallet) from an EOA wallet
- Connect smart accounts to dApps and interact with their smart contracts
- Transfer the smart account to another address via NFT transfer

LICENSES & CERTIFICATIONS

TOEIC Listening and Reading - IIG Vietnam

Sep 2022 – Sep 2024

Overall : 770 - Listening: 355, Reading: 415

Generative AI with LLM - Coursera

Oct 2025 – Unexpired

Credential URL : [Generative AI with LLM certification](#)

2D image processing - Coursera

Jan 2022 – Unexpired

Credential URL : [2D image processing certification](#)

Microeconomics Principles - Coursera

Feb 2022 – Unexpired

Credential URL : [Microeconomics Principles certification](#)

Model thinking - Coursera

June 2022 – Unexpired

Credential URL : [Model thinking certification](#)

The Macroeconomics Course 2022 - Udemy

July 2022 – Unexpired

Credential URL : [The Macroeconomics Course 2022 certification](#)

Blockchain and Bitcoin Fundamentals - Udemy

Aug 2022 – Unexpired

Credential URL : [Blockchain and Bitcoin Fundamentals certification](#)

Scrum Essence 2.0 - Agilearn

Aug 2022 – Unexpired

Credential URL : [Scrum Essence 2.0 certification](#)

Pragmatic Scrum - Agilearn

Sep 2022 – Unexpired

Business Fundamentals: Corporate Strategy - Udemy

Oct 2022 – Unexpired

Credential URL : [Business Fundamentals: Corporate Strategy certification](#)

MBA in a Box: Business Lessons from a CEO - Udemy

May 2023 – Unexpired

Credential ID : UC-71e22cc6-fbfe-4ce6-9580-74ab12585f42

Credential URL : [MBA in a Box: Business Lessons from a CEO](#)

Product Management 101 - Udemy

Jun 2023 – Unexpired

Credential URL : [Product Management 101](#)