

# Luu Nhu Thang

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## Career Objective !

Aim to enhance my skills and knowledge for certification exams, contributing to the growth of the company. Strive to acquire new skills and apply learned knowledge to support company projects.

## Education

**Vietnam-Korea University of Information and Communication Technology,** Oct 2022 – Jan 2027  
Network and Information Security Engineer

## Experience

**ZK Developer Lab Intern**, ZKP Core Program – Da Nang, Vietnam Jul 2025 – Aug 2025

- Participated in the ZK Core Program led by Ethereum Foundation and ZKP Labs, focusing on advanced cryptographic systems.
- Built real-world projects involving Zero-Knowledge Proofs (ZKP), secure identity protocols, and on-chain/off-chain proof verifications.
- Learned and applied zk-SNARKs, Poseidon Hash, Merkle Trees, and Circuit design using tools like Circom and SnarkJS.
- Contributed to a group project combining frontend dApp, smart contract, and ZK circuit to demonstrate privacy-preserving logic.

## Award

**First Prize – Demo day ZK Core Program** Jun 2025  
Award Certificate Link

## Projects

**Simple Exchange Simulation with ZKP for Proof of Reserves** Jun 2025

- Developed a mini exchange platform (see GitHub repository) supporting deposit, withdrawal, and transaction tracking, integrated with zero-knowledge proof generation for Proof of Reserves
- Designed RESTful APIs and real-time proof updates using Express.js and Next.js
- Implemented Merkle tree construction and zk-SNARK verification to ensure cryptographic integrity of user balances
- Utilized JavaScript, Express.js, Next.js, Circom, and TailwindCSS for full-stack development

**Anti-Scam Platform – Website for Reporting Scam Websites** Dec 2024

- Built a full-stack web platform (GitHub) allowing users to report and track scam websites, featuring real-time notifications and admin moderation
- Developed the frontend using React.js, TailwindCSS, and Vite for fast rendering and modern UI/UX
- Implemented RESTful API backend with Node.js and Express.js, using MongoDB as the main database
- Created modular route handlers for users, scam reports, news posts, and system notifications
- Enabled user authentication, admin approval system, and secure data validation
- Deployed frontend and backend using Vercel and Render
- Technologies: React, Vite, TailwindCSS, Node.js, Express.js, MongoDB, Vercel

**Noazmovie – Movie Streaming Web App** Apr 2025

- Developed a responsive movie streaming platform (GitHub) with a modern UI using React.js and TailwindCSS
- Integrated third-party TMDB API to dynamically fetch movie data, including posters, genres, and trailers

- Implemented client-side search, category filtering, and detailed movie views
- Optimized performance with Vite for fast development and hot module replacement (HMR)
- Deployed on Vercel with production-ready CI/CD and environment management
- Technologies: React.js, Vite, TailwindCSS, TMDB API, Vercel

#### Noazlearn – Online Learning Platform

Apr 2024

- Developed a scalable online learning platform (GitHub) with a modern UI using React.js and TailwindCSS
- Designed RESTful API backend with Node.js, Express, and MongoDB for user authentication, course management, and notifications
- Implemented secure authentication flows with JWT, refresh tokens, and email verification
- Enabled dynamic course enrollment, progress tracking, and interactive comments
- Optimized performance and security with middleware, input validation, and rate limiting
- Technologies: Next.js, MongoDB, TailwindCSS, Vercel

### Technologies

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**Languages:** JavaScript, TypeScript, Python, HTML/CSS, C++, SQL

**Technologies:** Node.js, Express, MongoDB, React.js, TailwindCSS, Vercel, JWT, REST API