

Chau Phu Thinh

Portfolio: <https://popudev.github.io/>

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EDUCATION

- **SaiGon University** District 5, Ho Chi Minh
• *Bachelor of Engineering in Information Technology; GPA: 3.41* Oct 2020 – Mar 2025

CERTIFICATIONS

- **English:** B1

PRIZE

- **1st Vietnam Blockchain Summer** Apr 2023 – Sep 2023
• *Contestant - NEAR BLOCKCHAIN - 4 members* Proof: <https://popudev.github.io/#achievements>

PROGRAMMING SKILLS

- **Languages:** Typescript, Solidity, Rust, Java, C#
- **Technologies:** React, React Native, Expo, NextJS, NestJS, Express, Jest, Redis, MongoDB, MySQL, Hyperledger Aries (SSI), Hyperledger Fabric Blockchain, Ethereum Blockchain, Near Blockchain, IPFS
- **Tools:** Git, K8S, Helm Chart, Docker, Azure Pipeline, Harhat

EXPERIENCE

- **GLOBALCHAIN CO.,LTD** Tan Binh District, Ho Chi Minh
• *Full Stack Developer* Oct 2022 – Jul 2025
 - **Blockchain Development:** Built private blockchain networks with **Hyperledger Fabric**, and implemented decentralized identity solutions using **Hyperledger Aries**. Due to limited resources at the time (2022–2023), I had to deeply research official documentation and source code to successfully deliver production-grade solutions. Additionally, developed smart contracts for **Ethereum** platform using **Solidity** for decentralized applications.
 - **Backend Development:** Designed and implemented robust APIs using **NestJS**, following RESTful standards and established architectural patterns. Integrated with multiple blockchain systems including **Hyperledger Fabric** and **Ethereum**. Implemented **JWT**-based authentication, role-based authorization, and enhanced system performance using caching, message queues, server-sent events, and real-time communication with WebSockets.
 - **Frontend Development:** Developed modern web applications using **Next.js** with advanced state management solutions including **Redux**, **Zustand**, and **React Query** for server state management. Integrated **AuthJS** for authentication, **React Hook Form** for form handling, and **Shadcn UI** for component library. Implemented SEO optimization strategies and integrated blockchain functionality for seamless user experience.
 - **Mobile App Development:** Designed and built mobile apps using **React Native**, including realtime functionality, offline mode, and native modules for interacting with **Hyperledger Fabric**. Successfully deployed to **Google Play** and **Apple Store**, handling approval processes.
 - **DevOps and Deployment:** Configured project foundations and established development workflows. Set up and maintained **Azure Pipelines** for CI/CD automation. Created secure, optimized **Docker** images and prepared **Helm charts** for deployment to **Kubernetes** clusters.
 - **Documentation and Client Communication:** Wrote system documentation and user guides. Regularly presented solutions and updates to clients and stakeholders.
- **TinPhatITSC** Go Vap District, Ho Chi Minh
• *Full Stack Developer* Sep 2021 – Mar 2022
 - **Backend Development:** Developed and implemented software applications using **C#** and **.NET Framework**. Utilized **Entity Framework** for object-relational mapping and database migrations.
 - **API Development:** Created RESTful APIs and implemented comprehensive documentation using **Swagger**. Deployed applications on Windows Server using **IIS Express**.
 - **Frontend Development:** Built responsive web applications using **Next.js** with **Redux** for state management and **Redux Toolkit** for efficient API integration. Ensured cross-platform compatibility across desktop, tablet, and mobile devices.