

Do Tien Phuc

0338370688 | Email | LinkedIn | GitHub
Van Lam, Hung Yen

Summary

Fullstack Developer with **3 years** of experience building production systems across banking, fintech, EdTech and Web3 domains. Backend with **NestJS**, PostgreSQL/MongoDB, **Kafka** event-driven architecture and microservices; frontend with **React/Next.js** and TypeScript, complex form systems, real-time data and multi-chain wallet integration. Experienced delivering for international clients (Singapore, Korea) in project-based teams.

Education

Hanoi University of Science and Technology — Oct 2020 – Apr 2025
Bachelor of Science in Information Technology — *Hai Ba Trung, Ha Noi*

Nodemy Vietnam – Fullstack Development Training — June 2022 – Sep 2022
Fullstack Professional Course — *Nguyen Xien, Ha Noi*

NCC+ – Fullstack Development Training Program — Aug 2023 – Oct 2023
React 18, TypeScript, Redux Toolkit, NestJS, PostgreSQL, TypeORM, Redis — *Hoang Mai, Ha Noi*

Experience

HTC Holdings Vietnam — May 2026 – Present
Fullstack Developer — *Ha Noi*

- **ProfiX – Banking Service Fee Management & Collection System** | *Next.js 14, TypeScript, Redux Toolkit + Redux Saga, React Hook Form, Zod, Ant Design, Tailwind CSS, TipTap, i18next*
  - [**FE**] Owned **7 business modules** end-to-end: periodic fee generation job, job activity history, form template management, promotion programs, fee collection schedule, tax parameters, and per-customer collection history lookup
  - [**FE**] Built **complex business forms** with dynamic editable tables, deeply nested arrays, and a **∼1000-line Zod schema** featuring cross-field constraints, plus a dedicated **form ↔ API mapper layer** with dirty-check support
  - [**FE**] Implemented **maker–checker workflow** using a single shared form across create/edit/view/approve modes, combined with **action-level permission control**
  - [**FE**] Integrated **TipTap** as form template editor (tables, resizable images, custom-built toolbar), **multi-level product TreeSelect**, and Excel import/export
  - [**FE**] Standardized **screen architecture** around a **custom hook + schema + mapper** pattern, reusing shared constants and mappings across related modules

Bamboo Software — April 2025 – April 2026
Fullstack Developer — *Ha Dong, Ha Noi*

- **SOS Emergency (Dec 2025 – Apr 2026)** | *NestJS 11, MongoDB, Kafka, Redis, Gemini API, Centrifugo, OpenTelemetry, Prometheus* | *React 19, TypeScript, Zustand, Framer Motion* **Team Size:** 4 **Type:** Internal Product
  - [**BE**] Architected **event-driven microservices monorepo** (API + Worker + Scheduler) communicating via **Apache Kafka** for async incident verification, AI-powered analysis with **Google Gemini API** and **circuit breaker pattern**
  - [**BE**] Designed **multi-strategy authentication** (**JWT**, guest flow with **device fingerprinting**, **Zalo OAuth**), geospatial incident tracking with MongoDB, and **observability stack** (OpenTelemetry + Prometheus)
  - [**FE**] Built **real-time WebSocket synchronization** using **Centrifuge + Zustand** streaming live incident data with **hybrid state management** (Redux Toolkit for REST/auth, Zustand for real-time state)
  - [**FE**] Implemented **responsive dual-platform UI** with separate mobile/desktop layouts, device detection, and **sequential animations** using **Framer Motion**

- **WizzTutor – AI Math Tutoring Platform (Dec 2025 – Apr 2026)** | *Next.js 14, React 18, TypeScript, TanStack Query, Zustand, Ant Design, Tailwind CSS, Framer Motion, tldraw, KaTeX* **Team Size:** 4 **Type:** Internal Product
  - [**FE**] Built **AI-powered math tutoring platform** with **AI Homework Helper** chatbot supporting image upload and text-based problem solving, plus a **Diagnostic Test engine** for student assessment
  - [**FE**] Developed **interactive drawing canvas** using **tldraw** for student solutions, math formula rendering via **KaTeX/MathJax**, and practice history with infinite scroll pagination
  - [**FE**] Implemented **dual-role system** (Student/Parent) with learning dashboard, topic-level progress tracking, parent monitoring dashboard, and **role-based route protection** via Next.js middleware
- **VME – Monitoring & Evaluation (Jul 2025 – Dec 2025)** | *NestJS 11, PostgreSQL, MongoDB, Kafka, Redis, AWS S3, FCM* | *React 18, RTK Query, DnD Kit, i18next, PDFMake, PapaParse* **Team Size:** 6 **Client:** VinUni
  - [**BE**] Architected **multi-tenant M&E backend** (Portal + Admin + Worker + Scheduler) with hierarchical role management (CMS/Province/Department), formula-based **green criteria assessment engine**, and **multi-level approval state machine** (6 role types)
  - [**BE**] Implemented **dual database design** (PostgreSQL 31 entities + MongoDB audit logs), **37 custom repositories**, **pessimistic row-level locking**, and multi-channel notifications (FCM, Email, SMS via Twilio) with i18n
  - [**FE**] Built **data entry system** with hierarchical indicators, year/quarter filtering, Excel import, and **multi-level approval workflow** tracking using **RTK Query** tag-based cache invalidation
  - [**FE**] Implemented **admin dashboard** with **drag-and-drop reordering** via **@dnd-kit**, **Firebase FCM** push notifications, and **export capabilities** (PDFMake + PapaParse)
- **B3Bridge (Apr 2025 – Jul 2025)** | *NestJS 11, PostgreSQL, MongoDB, TypeORM, Redis* | *React 19, TypeScript, Wagmi, Viem, Solana Web3.js, Zustand, RTK Query* **Team Size:** 8 **Client:** 1Matrix
  - [**BE**] Engineered **multi-chain presale backend** supporting 6 blockchains (Ethereum, BSC, Avalanche, Solana, Sei, U2U) with **smart contract deployment tracking**, cross-chain bridge integration (Stargate, Hyperlane, CCIP, OFT), and dual database architecture
  - [**BE**] Built **payment gateway** integrating Onramper and VietQR with **Quote Factory** and **Payment Provider Factory** patterns across 24 feature modules
  - [**FE**] Engineered **multi-protocol bridge UI** integrating Stargate, Hyperlane, CCIP, and OFT protocols via **Wagmi/Viem** enabling cross-chain asset transfers across **20+ EVM and Solana networks**
  - [**FE**] Developed **dual-chain wallet integration** combining **Wagmi (EVM)** and **Solana wallet adapters** with unified auth using **Zustand persist middleware** and **JWT token management**
- **Live Gaming Platform (Oct 2025 – Dec 2025)** | *React 19, TypeScript, Redux Toolkit, Zustand, Centrifuge WebSocket, Tailwind CSS, Framer Motion, Video.js* **Team Size:** 4 **Client:** Korean
  - [**FE**] Engineered **real-time WebSocket synchronization** using **Centrifuge + Zustand** streaming live game data (cards, betting phases, road maps) with **timestamp-based change detection**
  - [**FE**] Built **responsive dual-platform UI** with separate mobile/desktop implementations, dynamic scaling, and **sequential card animations** using **Framer Motion**

Fetch Technology – Fetch Vietnam Nov 2023 – June 2024
Intern Fullstack Developer *Cau Giay, Ha Noi*

- **Laguna Network (Jan 2024 – Jun 2024)** | *NestJS 10, PostgreSQL, Prisma, Redis, BullMQ, Stripe, Alchemy, AWS S3* | *Next.js 14, TanStack Query, Zustand, Wagmi v2, NextAuth, Chart.js* **Team Size:** 7 **Client:** Singapore
  - [**BE**] Built **e-commerce + social platform backend** with Stripe payment, crypto cashback system, affiliate integrations (Impact.com, Rakuten), **BullMQ background processing**, and **gamification engine** (quests, badges, points)
  - [**BE**] Designed **51+ feature modules** with Prisma ORM, multi-chain wallet management (10+ EVM networks via Alchemy), and WebSocket real-time notifications
  - [**FE**] Built **e-commerce marketplace** with **Stripe integration**, **multi-chain wallet management**, **multi-method auth** via NextAuth, and **admin dashboard** with Excel bulk import/export and **Chart.js** analytics
- **JFOX AI Service (Apr 2024 – Jun 2024)** | *FastAPI, Python 3.12, PostgreSQL, SQLAlchemy 2.0 (async), AWS S3, Grok Vision AI, Runware API, Uvicorn* **Team Size:** 5
  - [**BE**] Built **AI meme generation service** using **FastAPI async** with **Grok Vision AI** for caption generation, **Runware API** for image synthesis, multi-auth (Email, OAuth, Phantom wallet), and rate limiting (5/month guests, 100/month users)

- **LaunchPunks Platform (Nov 2023 – Apr 2024)** | *NestJS 10, PostgreSQL, TypeORM, Redis, AWS S3 | Next.js 14, TanStack Query, Zustand, Wagmi v2, CKEditor 5, Shadcn UI* **Team Size:** 8 **Client:** Singapore
  - [**BE**] Built **IDO/ICO launchpad backend** with **KYC verification workflow**, **role-based access control**, and **multi-chain wallet management** (12 EVM networks + Bitcoin via bitcoinjs-lib)
  - [**FE**] Built **user portal** with **OAuth 2.0 social linking** (Twitter/Discord/Telegram), **infinite scroll**, **real-time activity feed** with 30-second auto-refresh, and **admin dashboard** for IDO/ICO management with **CKEditor 5** and token distribution calculator

Awards & Achievements

VietChain Talent Hackathon 2025
- Achieved **Top 3** in Bridge category and **Top 16 Overall** among all participants, demonstrating excellence in blockchain development and cross-chain solutions

VietBUIDL Hackathon AMA 2025
- Participated in VietBUIDL Hackathon organized by SSID, competing in blockchain and Web3 development challenges

Technical Skills

Languages: TypeScript, JavaScript, Python, HTML5, CSS3
Frontend: React 18/19, Next.js 14/15, Vue.js 3, Tailwind CSS v4, Radix UI, Shadcn/ui, Ant Design, Framer Motion
State Management: Redux Toolkit, RTK Query, Redux Saga, Zustand, TanStack Query
Forms & Editors: React Hook Form, Zod, TipTap, CKEditor 5, tldraw, KaTeX
Backend: NestJS 10/11, FastAPI, Node.js, Express.js
Databases: PostgreSQL, MongoDB, Redis | **ORM/ODM:** TypeORM, Prisma, Mongoose, SQLAlchemy
Message Queue: Apache Kafka, BullMQ, Google Cloud Pub/Sub
Architecture: Microservices, Monorepo, Event-Driven, Layered Architecture, Repository Pattern, DDD
Authentication: JWT, OAuth 2.0 (Google, Facebook, Zalo, X), Web3 Wallet Signature, Device Fingerprinting
Web3/Blockchain: Wagmi v2, Viem, Ethers.js, Solana Web3.js, WalletConnect, Multi-chain (EVM + Solana)
AI & Integrations: Google Gemini API, OpenAI API, Grok Vision AI, Plaid, Stripe, Twilio, Firebase FCM
Cloud & Storage: AWS S3, Google Cloud Storage | **Real-time:** Centrifugo, WebSocket, Socket.io
DevOps & Tooling: Docker, Git, Vite, OpenTelemetry, Prometheus, Swagger/OpenAPI, Jest, i18next