



TÙ MINH TUÂN

FULLSTACK DEVELOPER

EXPERIENCES

Tigren - Intern ReactJS & NodeJS Dev 04/2025 - 07/2025

- Trained in front-end & back-end development using **React.js** and **Node.js**
- Learned **Remix** framework and worked on multiple projects integrated with **Shopify, Polaris**

UpBase - Junior Frontend Developer 09/2025 - 6/2026

- Frontend developer on a production **SaaS platform** for Omnichannel eCommerce
- Collaborate with PO, backend team and QA in **Agile/Scrum** to ship and iterate features
- Develop and enhance frontend modules — building new features and improving existing flows across the product

VCCorp - Fullstack Developer (Part-time) 09/2026 - now

PROJECTS

Project 1: Cú Lo - Learning Platform for HUST Math Tutoring Club (Club Project) 06/2026 - present

Role: Tech Lead & Full-stack Developer

Team size: 6

Live: <https://www.hthtbk.com>

Users: 1000+ HUST students

Description: Online learning platform for Calculus & Algebra classes (GT1, GT2, GT3, Đại số), covering class schedules, attendance, documents, video courses, practice exercises, essays and timed mock exams

- Built a **NestJS + Prisma** backend with **20 domain modules, 190+ REST endpoints** and a **69-table PostgreSQL schema**
- Designed **5-level RBAC** (student, external student, 3 admin tiers) with class-level ownership scoping
- Built **90+ screens in React + TypeScript** (TanStack Query, Zustand) across 3 workspaces (public, student, admin), with KaTeX math rendering and light/dark themes
- Built **QR-code attendance** and **Excel import/export** for class management
- Ensured reliability with **Sentry** error monitoring, **Playwright** e2e tests, **Artillery** load testing, and **daily automated database backups** via GitHub Actions

Tech stack: React 18, TypeScript, Vite, TanStack Query, Zustand, React Hook Form, Zod, KaTeX • NestJS, Prisma, PostgreSQL, JWT, Swagger • AWS S3, Cloudinary, Sentry • Jest, Playwright, Artillery • Docker, Railway, Vercel, GitHub Actions

CONTACT

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EDUCATION

**HANOI UNIVERSITY OF
SCIENCE AND TECHNOLOGY
(2022 - 2026)**

- Computer Engineering

SKILLS

Programming Languages

- JavaScript, TypeScript
- C, C++, Python, Java

Front-end

- React.js, Next.js, Remix, React Native (Expo)
- TailwindCSS, Bootstrap, Radix UI, Ant Design
- Redux, Context API, Zustand, Apollo Client, GraphQL

Back-end

- Node.js, NestJS, GraphQL, WebSockets, Hasura
- Prisma ORM, PostgreSQL, MySQL, MongoDB, Redis

Deployment & Cloud

- AWS, Cloudflare (R2, DNS)
- Docker, Nginx, Ubuntu

Tools & Others

- Git, Github, Gitlab, Figma
- Postman, Swagger, Jira
- Lark, Claude Code, Cursor

English: B2 level - Proficient in reading and writing English for professional and technical purposes

Project 2: UpS — Omnichannel eCommerce Management Platform (Company Project)

Role: Front-end Developer

10/2025 - 06/2026

Live: ups.upbase.asia

Team size: 11

Description: Omnichannel eCommerce SaaS platform serving *thousands of online stores*, integrating OMS/WMS to manage orders, inventory, warehouse and finance across **5+ sales channels** (Shopee, Lazada, TikTok Shop, website...).

- Developed **20+ production features** across Warehouse, Finance, Chat and System Settings modules
- Built **reusable UI components**, data tables and multi-step forms shared across multiple business workflows
- Integrated **GraphQL APIs** and implemented real-time chat using **Socket.IO**
- Optimized React components by **reducing unnecessary re-renders** and improving maintainability of existing code
- Collaborated closely with Product Owners, backend engineers and QA to deliver production-ready features in Agile/Scrum

Tech stack: React 16, JavaScript, Redux, AWS S3, Apollo Client (GraphQL, WebSocket), Material-UI, Bootstrap, TailwindCSS, SCSS, Formik, Yup, react-intl, ExcelJS, Rsbuild/Webpack

Project 3: Smart Warehouse Management System (WMS) – Graduation Thesis (9.15/10)

02/2026 - 06/2026

Live: web.wmssmart.cloud

Description: Multi-warehouse management system covering bin-level inventory, inbound/outbound/transfer documents with approval flows, cycle counting and a mobile app for on-floor operations

- Built a hybrid **GraphQL (Hasura) + REST (Express)** backend with **14 domain modules**, **60+ REST endpoints** and a **23-table PostgreSQL schema (Prisma)**
- Designed **RBAC + warehouse-scoped access control** (admin, manager, staff), with permissions checked on both backend and frontend
- Built an interactive **2D warehouse map** (React-Konva) with filtering, bin selection and map-driven inbound/consolidation actions
- Implemented cycle counting with **TSP route optimization** (Nearest Neighbor + 2-opt) in a **FastAPI** service, with a Node.js fallback and the route drawn on the 2D map
- Processed bulk **Excel import/export** and **background stock alerts** asynchronously with **BullMQ + Redis** job queues and progress tracking
- Shipped **40+ web screens** in React + TypeScript and a **React Native (Expo) mobile app** for barcode scanning, inventory lookup and on-floor cycle counting

Tech stack: React 19, Vite, TailwindCSS, Zustand, Apollo Client, React-Konva, Recharts, Zod • Node.js, Express, Prisma, PostgreSQL, Hasura (GraphQL) • FastAPI • Redis, BullMQ, ExcelJS • React Native (Expo), NativeWind • AWS EC2, AWS S3, Nginx, PM2