## LE THIEN TRI

#### BACKEND DEVELOPER INTERN

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#### **SUMMARY**

As a student with a deep interest in information technology and a special focus on Backend system development, I am looking forward to an internship at a company. This opportunity will allow me to implement my academic knowledge, improve my software development skills and gain valuable experience. My goal is to work in a professional environment,

gain knowledge from industry experts and actively participate in real-world projects to establish a solid foundation for my career.

#### **EDUCATION**

## VNUHCM - University of Information Technology

08/2024 - Now

Faculty of Computer Information Engineering

GPA:7.61/10

## Ho Chi Minh City College of Information Technology (ITC)

08/2021 - 01/2024

Information Technology

Graduated with Distinction (GPA 8.43/10

#### **WORK EXPERIENCE**

## Vinateks (Vietnam Technology JSC)

04/2023 - 11/2023

#### Backend Intern (PHP)

**Domain:** ERP & multi-channel integration (TikTok Shop, Lazada, KiotViet)

- Built two-way sync modules for products, inventory, and orders using plain PHP + MySQL.
- Implemented webhooks and polling (cron); added idempotency keys and retry/backoff.
- Signed/verified HMAC for platform callbacks; standardized error handling and structured logging; wrote handover documentation.

#### **PROJECT**

06/2025 - NOW **WChat** 

Position: FullStack

Backend (Node.js/Express): Real-time chat platform: REST APIs, 1-1 & group rooms, JWT + Refresh Token, Socket.IO with Redis adapter, push notifications (FCM), media upload (Cloudinary), structured logging/health checks, rate limiting & Helmet.

- Designed MongoDB/Mongoose schema and built auth/chat APIs; implemented Socket.IO events for messaging, rooms, typing/read receipts.
- Integrated Redis (cache + Socket.IO adapter) for scalability and pub/sub fan-out.
- Hardened security: JWT/refresh flow, Joi validation, CORS, rate-limit, Helmet; added winston/morgan logging and /health probes.
- Set up media pipeline with Multer → Cloudinary; added basic idempotency and size/MIME guards

Mobile (React Native/Expo): Cross-platform chat app (Android/iOS): Firebase Auth sign-up/sign-in, real-time chat via Socket.IO, push notifications (FCM), Redux Toolkit + redux-persist, React Navigation, UI with NativeWind (Tailwind RN)

- Designed RN architecture (navigation structure, Redux store/slices).
- Integrated FCM + Notifee and Socket.IO client for real-time messaging
- · Configured Metro (SVG transformer) and optimized performance with Reanimated, Gesture Handler, Safe Area.
- Authored build guidelines (Expo prebuild, Gradle), standardized TypeScript code & path aliases; resolved build/caching issues.

**DevOps/Deploy:** Dockerize, ngrok cho secure tunneling, deploy Railway (Nginx basic).

**Stack:** Node.js 20+, Express 5, MongoDB/Mongoose, Redis 5+, Socket.IO 4, Firebase Admin (FCM), Multer/Cloudinary, Joi, CORS, Helmet, Winston/Morgan, Ngrok, Docker/Railway; Mobile: React Native, Expo (prebuild), TypeScript, Redux Toolkit, redux-persist, React Navigation, Firebase Auth/FCM, Notifee, Socket.IO client, NativeWind (Tailwind RN).

Team: 2 GitHub:

- Backend:https://github.com/thientrile/App\_chat
- Mobile App: https://github.com/holha289/app-chat

## Photo Gallery API (Node.js)

07/2025 - NOW

Position: FullStack

API for managing a photo library: user accounts (sign-up/sign-in/refresh), multi-file uploads to Cloudinary, albums, tags, JWT security, Joi validation, Helmet/CORS, structured logging

- Designed domain models & business flows: User / Image / Album / Tag, standardized API responses & error codes, JWT-based authorization.
- Implemented auth flow: login / refresh / logout with token rotation
- Built endpoints for multi-file upload (Multer → Cloudinary) and CRUD for albums and tags
- Applied security & quality gates: Joi request validation, Helmet, CORS, Morgan for structured logs
- Containerized with Docker & Docker Compose for local/dev environments

Stack: Node.js, Express, MongoDB/Mongoose, Cloudinary, Multer, JWT, Joi, Helmet, CORS, Morgan, Docker & Docker Compose.

Team:1 (solo)

GitHub: https://github.com/thientrile/photo gallery

#### SMB E-commerce Website (Custom PHP MVC) — Web Developer (Owner)

03/2022 - 05/2022

Position: FullStack

Storefront for small/medium shops: product catalog, cart/checkout, user roles (admin/customer), orders & reporting, email confirmations. Clear MVC structure: controller/, model/, view/, assets/.

- Designed the MVC architecture and core modules: Products, Cart/Checkout, Users/RBAC, Orders & Reports; standardized router and optimized MySQL queries.
- Implemented order/registration email confirmations, responsive UI, and organized assets/ & vendor/ (Bootstrap).
- Wrote installation and database configuration guides for local environments.

Stack: PHP 7+, MySQL, HTML/CSS/JS, Bootstrap (vendor), SMTP/email, XAMPP/WAMP

Team:1 (solo)

GitHub:https://github.com/thientrile/website-sale

## API eCommerce (Node.js)

01/2024 - NOW

Position: FullStack

REST API for e-commerce: sign-up/sign-in with JWT (access + refresh), product & category management, cart/checkout, orders, RBAC, and Swagger documentation

- Designed service architecture & MongoDB schema (Product/Category/Cart/Order)
- Implemented RBAC and JWT auth; secure password hashing with bcrypt.
- Built core endpoints: auth, products (CRUD + pagination/sort/search), cart/checkout, orders; standardized response envelope & error codes
- Added Swagger (OpenAPI) docs; lint/format with ESLint/Prettier
- Deployment config via railway.json; prepared payment gateway integration (Stripe / VNPay / MoMo).

Stack: Node.js, Express, MongoDB/Mongoose, JWT, bcrypt, Swagger (OpenAPI), ESLint, Prettier, Nodemon.

Team: 1 (solo)

# Go E-commerce Backend API (Go)

01/2025 - Now

Role: Back-End Developer (owner)

**Description:** E-commerce backend written in Go: RESTful APIs, JWT auth (OTP/2FA), MySQL with Redis caching, Kafka for async processing, Swagger/OpenAPI docs, Docker Compose + Nginx reverse proxy, multi-domain dev, and Prometheus + Grafana monitoring. **Responsibilities:** 

- Designed a layered architecture (controller/service/repository/model), middleware, and application bootstrap.
- Modeled the database and migrations with Goose; generated type-safe queries via SQLC; implemented JWT login/verify, email verification/2FA.
- Integrated Redis for cache/session and Kafka for queues; authored Swagger; packaged with Docker and Nginx; added health checks.
- Set up observability with Prometheus/Grafana and exporters; created a Makefile for dev/build/test workflows.

Stack: Go 1.21+, Gin, MySQL 8, Redis 7, Kafka, SQLC + Goose, Swagger/OpenAPI, Docker/Compose, Nginx, Prometheus/Grafana.

Team: 1 (solo project)

GitHub: https://github.com/thientrile/go-ecommerce-backend-api

#### CERTIFICATIONS

VICKY ENGLISH COMMUNICATION SKILLS 05/2024	
SKILLS	
Language	Go, Javascript, TypeScript, Php
Framework	Express, Gin, Angular, Vue, Nuxt, React, ReactNative
Database	MSSQL, MongoDB, Redis, Mysql
Tools	Git, Github, Trello, Figma, Docker
Orthers	AI, Elasticsearch, Kafka, Firebase, Aws, WordPress, English (basic reading comprehension)

## ADDITIONAL INFORMATION

- Singing favorite songs
- · Learn about programming, new technologies
- Have personal laptop
- Can work full time
- Willing to work overtime to get the job done