

Nguyen Duy Khanh

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SUMMARY

I am a full-stack developer with 4+ years of experience, rooted in backend development for high-scale fintech applications and now building products end-to-end. On the backend I work with Golang and Node.js, paired with PostgreSQL, MongoDB, Redis and Kafka; for frontend and mobile I use Next.js, TypeScript and Flutter. I have a proven track record of building payment systems processing millions of daily transactions, e-invoice platforms serving thousands of users, and AI-powered SaaS products, with a strong focus on distributed systems, real-time processing, third-party integrations, and clean, testable code.

EDUCATION

- **Posts and Telecommunications Institute of Technology** Ha Noi, Viet Nam
Bachelor of Information Technology Aug 2018 – July 2023

EXPERIENCE

- **Chill Go Viet Nam Technology JSC** Ha Noi, Viet Nam
Full-stack Developer Aug 2025 – Present
 - **Real-time Ride Service:** Built real-time driver matching, location tracking, and trip lifecycle for a ride-hailing platform (ChillGo) using Golang, Redis and FCM broadcasts.
 - **Backend Architecture:** Implemented Clean Architecture, standardized API responses, background job workers, fare calculation, and driver revenue reconciliation.
 - **Mobile & Admin:** Developed shared Flutter apps for riders and drivers, plus a web admin console for managing users, drivers, trips, and catalogs.
- **KiotViet Corp.** Ha Noi, Viet Nam
Backend Developer Aug 2022 – Aug 2025
 - **Backend Services & APIs:** Developed and maintained backend services and APIs in Golang, efficiently handling high-traffic environments with over 100,000 active users.
 - **Third-party Integrations:** Integrated third-party services seamlessly, enhancing functionality and user experience across multiple platforms.
 - **Unit Testing:** Implemented comprehensive unit testing, increasing test coverage by 45% and significantly reducing bug rates in production.
- **Greenify Viet Nam Co.** Ha Noi, Viet Nam
Backend Developer May 2021 – Aug 2022
 - **Scalable Codebases:** Engineered scalable codebases with NodeJS and ReactJS, focusing on performance and maintainability.
 - **Database Design:** Designed databases to meet project requirements and ensure functional effectiveness.
 - **Service Integration:** Seamlessly integrated third-party services, extending application features and improving user experience.

PROJECTS

- **Ielts Smart:** AI-powered SaaS for IELTS Speaking & Writing practice & mock tests (B2C & B2B). Built end-to-end with Go, PostgreSQL and Next.js. Delivered automated AI band scoring via LLM evaluation (plus a pronunciation & speech-analysis pipeline for Speaking), a tiered subscription & billing system with per-feature quota, a credit-based B2B Partner Scoring API, center/admin dashboards, i18n, JWT auth, and audio upload via Cloudflare R2.
- **ChillGo:** Ride-hailing platform developed end-to-end with Golang, Redis and Flutter. Implemented real-time driver matching and location tracking, trip lifecycle and fare/revenue reconciliation, FCM broadcasts, background job workers, deep links, and a web admin console, following Clean Architecture with standardized API responses.
- **Nail System:** A multi-branch nail salon management platform built with NestJS, TypeORM and MySQL, featuring booking management, employee scheduling, inventory control, and role-based access control with JWT authentication.

- **Payment System:** Engineered high-capacity QR code generation systems producing 10,000,000 QR codes daily. Integrated payment solutions with VIB, BIDV, VietinBank, and Vietcombank. Implemented real-time transaction notifications.
- **Lending Platform:** Designed lending forms and loan application management system. Connected merchants with banking partners (VPBank, VIB, MB, KBank) for financial support access.
- **E-Invoice System:** Built e-invoice calculation and dispatch system for partners (VIETTEL, VNPT, MISA, FPT). Implemented CDC for asynchronous processing, supporting 1000+ users with 20,000 daily invoices.
- **Message Gateway:** Developed messaging gateway for ZNS and ZOA partner services. Implemented CDC for reliable message delivery, supporting 500+ users with 9,000 daily messages.
- **Enter Restaurant Management:** Built restaurant integration platform with booking, check-ins, drag-and-drop floorplans, and POS integration (Oracle Micros). Enabled Apple Pay and Stripe Pay payments.
- **KAM Application:** Implemented real-time chat, offline mode, notifications, statistics tracking, and social authentication features.

SKILLS

- **Languages:** Golang, JavaScript, TypeScript, Python
- **Technologies:** RESTful APIs, gRPC, CDC, Kafka, Redis
- **Databases:** PostgreSQL, MongoDB
- **Version Control:** Git, GitHub, GitLab