

NGUYEN VIET THANH (Tsen)

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PROFESSIONAL SUMMARY

Backend Developer at INTRATECH JSC with hands-on production experience across **4 stacks** (Go/Gin, Node.js/TypeScript, .NET 8/C#, Django 5/Python). Strong foundation in **OOP, SOLID principles, and Design Patterns** (Repository, Factory, Strategy). Experienced with **Agile/Scrum** workflow, multi-repo microservices architecture, and cross-team API contract coordination. HCMUT Software Engineering (GPA 3.31/4.0), **available immediately**.

TECHNICAL SKILLS

Backend Stacks	Go: Gin, Fiber, GORM, go-jwt, Air (hot reload) · Node.js: Node 20, Express, TypeORM, TypeScript · .NET 8: ASP.NET Core Web API, EF Core, Clean Architecture · Python: Django 5, DRF, FastAPI, Celery + Redis
Databases	PostgreSQL (Views, Triggers, Stored Procedures, query optimization) · SQL Server (distributed, Linked Server) · Redis · Firebase
DevOps	Docker / Docker Compose · Git / GitHub · GitHub Actions CI · Vercel · Azure VM · Render
Principles	OOP (4 pillars) · SOLID · Design Patterns (Repository, Factory, Strategy, Observer, Singleton) · REST API Design
Methodology	Agile/Scrum (Sprint Planning, Daily Standup, Sprint Review, Retrospective) · Code Review · Git Flow
Languages	Vietnamese (native) · English (B2 — reading, writing, technical documentation) · Japanese (Basic / N5 — hiragana, katakana, basic conversation, actively studying)

WORK EXPERIENCE

Backend Developer — INTRATECH JSC

Jun 2025 – Present

Django 5 · DRF · PostgreSQL · Redis · Celery · Docker · GitHub Actions · Scrum

- Designed and delivered full REST API (**50+ endpoints**) for **IPO Ready** — a fintech pre-IPO analysis platform with **14 data models** (CapTable, FundingRounds, Shareholders, Financials, KPIs)
- Implemented JWT authentication (register/login/refresh/profile), **RBAC authorization**, and period-based KPI anomaly detection endpoints
- Built async CSV/Excel import pipeline (pandas + openpyxl): column validation, type checking, duplicate detection — processing **10,000+ rows** via **Celery background workers** with polling status endpoint
- Contributed to **CaHeo** — a multi-repo full-stack platform (Django 5 + DRF backend, Next.js frontend, GitHub Actions CI/CD); authored API specs, data dictionary, and test case documentation
- Optimized Docker build: **70–80s → 3–5s (95% reduction)** via multi-stage layer caching strategy; delivered complete Swagger UI + Postman collection

Freelance — Python Automation & Digital Infrastructure

Sep 2024 – May 2025

- Built Python automation toolkit (Selenium + Requests): CAPTCHA-resilient session management, account rotation, batch processing for Facebook marketing campaigns
- Administered WordPress/WooCommerce sites; implemented technical SEO (schema markup, Core Web Vitals) and multi-client network infrastructure with isolated VLANs

KEY PROJECTS

VShield — Digital Defense Ecosystem (Personal Project)

In Progress

Lead Developer · Go + Gin · PostgreSQL · Redis · Next.js 15 · Docker · GitHub Actions

- Multi-repo microservices platform (6 repos): scam call/SMS blocking, phone/bank account verification hub, community reporting with trust scoring; built core Go API with Gin, JWT, RBAC, Bloom Filter blacklist
- iOS (Swift/CallKit), Android (Kotlin/Jetpack Compose), Web dashboard (Next.js 15); full CI/CD via GitHub Actions with automated test + lint gates per repo

EduHealth360 — Academic Management + AI Health Scoring

HCMUT Research

Lead Developer · Node.js 20 + TypeScript · PostgreSQL · FastAPI · Docker

- Designed **12-domain PostgreSQL schema** (attendance, health, finance, auth, billing...) with Views, Triggers, Stored Procedures
- Built REST API with JWT/RBAC, rate limiting, CORS whitelist; integrated **ArcFace R50 face recognition** (512-dim embeddings) via FastAPI; Docker Compose with **isolated internal network** for AI service security

GoFoody — Food Ordering Platform

HCMUT Academic

Full-Stack Developer · .NET 8 Web API · Clean Architecture · EF Core · React

- Clean Architecture** (4 layers: Api → Application → Domain → Infrastructure) with **Repository Pattern**, Dependency Injection, JWT + RBAC, smart recommendation engine, revenue analytics dashboard

EDUCATION

Ho Chi Minh City University of Technology

Oct 2022 – Oct 2026

Bachelor of Software Engineering — GPA: 3.31/4.0