

NGHIA NGUYEN

Senior Software Engineer

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PROFESSIONAL SUMMARY

Senior Software Engineer with **7+ years** of experience designing and building scalable, high-performance backend systems in **Go**. Expertise in microservices architecture, distributed systems, real-time data processing, and cloud infrastructure (AWS, Kubernetes). Proven track record of leading engineering teams of up to 6 engineers, optimizing systems to handle **1,000+ RPS**, and delivering enterprise-grade platforms processing **100K+ data points/hour**. Strong contributor to architectural decisions, performance engineering, and cross-functional delivery.

TECHNICAL SKILLS

Languages:	Go (Golang), Python, Node.js, Java
Architecture:	Microservices, Distributed Systems, Event-Driven, Clean Architecture, DDD, CQRS
APIs & Protocols:	RESTful APIs, gRPC, GraphQL
Messaging & Caching:	Apache Kafka, RabbitMQ, Redis
Databases:	PostgreSQL, MySQL, MongoDB, StarRocks, BigQuery, SQLite
Infrastructure:	Docker, Kubernetes, AWS (Lambda, SQS, SNS, CloudWatch), Terraform, CI/CD
Observability:	OpenTelemetry, Grafana, Prometheus, Structured Logging
Tools:	Git, Linux, Nginx, Serverless Framework, ArgoCD, Flux

PROFESSIONAL EXPERIENCE

Senior Software Engineer II / Sub-Lead

Jul 2024 – Present

FireGroup Technology (TrueProfit) — Ho Chi Minh City

- Architect and optimize backend systems powering real-time e-commerce analytics for Shopify merchants, processing **100K+ data points/hour** across ads, revenue, and cost tracking.
- Build and maintain high-throughput Go microservices handling **1,000+ requests/second** for advertising and financial analytics.
- Lead performance engineering initiatives reducing API latency through query optimization, caching strategies, and service architecture improvements.
- Design data pipelines for in-house ad performance analytics, eliminating dependency on third-party ad platform trust signals.
- Contribute to TrueProfit becoming **Product of the Year** at FireGroup through improved backend reliability, release quality, and data accuracy.
- Mentor backend engineers and coordinate cross-team technical delivery, architecture decisions, and code review standards.

Senior Software Engineer / Tech Lead

Jul 2024 – Jun 2025

Source Of Asia (SOA) — Ho Chi Minh City

- Led end-to-end development of a large-scale **Asset Management Platform** from scratch, managing millions of assets (trucks, containers, heavy machinery) for a major enterprise client.
- Designed core system architecture, database schemas, and high-performance APIs handling **millions of asset records**.
- Built CI/CD pipelines, deployment automation, and cloud infrastructure ensuring reliable, zero-downtime releases.
- Resolved critical concurrency and state synchronization issues in high-volume data ingestion workflows.
- Mentored junior developers, established coding standards, and drove technology decisions on caching, messaging, and data sync.
- Delivered on time, passing **enterprise-level security and performance audits**.

Senior Software Engineer

Nov 2022 – Jun 2024

ECQ Vietnam (Cybersecurity) — Ho Chi Minh City

- Designed and developed backend services in Go for cybersecurity products across Vietnam, Thailand, and Singapore (100+ employees).
- Made high-impact architectural decisions on technology stack, database design, and service optimization.
- Improved system stability by identifying and resolving long-standing production issues affecting platform reliability.
- Conducted code reviews, mentored team members, and ensured consistent engineering quality.

Senior Software Engineer

Apr 2022 – Nov 2022

Sendo (FPT Group) — Ho Chi Minh City

- Maintained and optimized core e-commerce services (Product, Cart, PayLater, Checkout) for one of Vietnam's top e-commerce platforms.
- Implemented performance optimizations for both new and legacy services, resolving bottlenecks at scale.
- Contributed to architectural discussions, technology selection, and cross-team code review processes.

Team Leader / Full-Stack Developer

Jan 2021 – Apr 2022

Hitachi Vantara Vietnam — Ho Chi Minh City

- Promoted to Team Leader within months; led a team of **6 engineers** (4 backend, 2 frontend) delivering workflow, scheduling, and content management modules.
- Developed core backend logic using Go and YAML-based configuration; reported directly to Solution Architect and PM.
- Received **Best Performance Award 2021** for exceptional delivery and team leadership.

Backend Developer

Jun 2020 – Dec 2020

Amaris Consulting — Ho Chi Minh City

- Developed backend services and REST APIs using Java; collaborated with frontend teams on microservices integration.

Junior Developer

Jan 2019 – Jun 2020

TMA Solutions — Ho Chi Minh City

- Built internal management tools and automation scripts using Java, Python, and Spring Boot.

EDUCATION

PFIEV Engineer Degree — Mechanical & Aerospace Engineering

2012 – 2020

Ho Chi Minh City University of Technology (HCMUT / Bach Khoa)

Programme de Formation d'Ingénieurs d'Excellence au Vietnam — recognized as equivalent to Master's degree

AWARDS

- **Best Performance Award** — Hitachi Vantara Vietnam (2021)
- **Product of the Year (TrueProfit)** — FireGroup Technology (contributor)