

# Nguyen Hoang Thien

Software Engineer

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## SUMMARY

Software Engineer with 2+ years of experience building and maintaining production backend systems. Experienced in designing reliable services, working with real-time features, and supporting scalable system architectures. Strong problem-solving mindset with hands-on experience in performance optimization, data consistency, and high-concurrency environments. Comfortable owning backend components end-to-end and collaborating closely with cross-functional teams.

## EDUCATION

FPT UNIVERSITY

12/2020 - 12/2024

Software Engineering

## WORK EXPERIENCE

Gearment

12/2024 - Now

Software Engineer

- **Architected and deployed backend logic** for financial and order management modules, including G-Credit and tiered pricing systems, using **Golang** to ensure precision in high-value transactions.
- **Engineered high-performance data pipelines** for asynchronous import/export of large-scale datasets, eliminating memory leaks and preventing timeout issues during long-running operations
- **Designed robust refund and cancellation flows** with complex business rule validation, maintaining 100% data consistency across distributed states.
- **Implemented a comprehensive logging and auditing system**, enhancing system traceability and operational visibility for production order management.
- **Managed webhook-driven integrations** with external partners, ensuring reliable, fault-tolerant communication via asynchronous processing.

Dudaji

10/2024 - 12/2024

Fullstack Developer

- **Optimized real-time communication infrastructure** for chat and video features, leveraging **WebSockets** and **Redis** to improve message delivery reliability.
- **Reduced video call latency** by tuning media flow logic, directly improving the end-user experience for real-time interactions.

Esol Labs

7/2023 - 10/2024

Fullstack Developer

- **Developed a high-concurrency Reward Claiming System** for top-tier Web3 partners, utilizing **Python** and **Golang** to ensure system reliability and API performance during peak livestream traffic.
- **Integrated major Web3 protocols** (Lido, DWF Labs), building scalable backend services to support custom business logic and reward distributions across diverse blockchain ecosystems.
- **Built and scaled a SaaS Management System** (POS-style) using **Clean Architecture**, managing complex order workflows, user permissions, and transactional data integrity.

# SKILLS

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## Primary (Production Experience)

- Backend Development, API Design
- Distributed & Event-driven Systems
- Real-time Communication (WebSocket)
- Data Consistency & Concurrency Handling

## Technologies

- Golang
- PostgreSQL, Redis
- RabbitMQ, Kafka, Temporal

## Supporting

- TypeScript, Node.js
- Docker, CI/CD
- Basic Kubernetes, Nginx

## Architecture & Practices

- Clean Architecture, Modular Design
- Design Patterns
- Agile / Scrum, SDLC

## Foundational Knowledge

- Data Structures & Algorithms
- Java, C, Python

# PROJECTS

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## Hostie

4/2024 - Present

### Project Leader

- **Product Overview:** A specialized B2B networking platform connecting independent sales agents with apartment hosts to streamline short-term vacation rentals.
- **Business Logic:** Engineered a system that allows sales agents to manage and market host-listed properties to potential travelers, optimizing occupancy rates for apartment owners.
- **Leadership:** Leading a cross-functional team of **5 members**, overseeing the entire product lifecycle from market research to technical deployment.
- **Technical Stack:** Built a robust architecture using **Golang, Node.js, and Next.js**.
- **System Design:** Implemented **WebSockets** for real-time communication between sales and hosts, **Redis** for session management, and **Elasticsearch** for high-speed property discovery.
- **Scalability:** Leveraged **RabbitMQ** for event-driven workflows and **PostgreSQL** for ensuring transactional integrity of booking data.

# CERTIFICATIONS

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User Experience Research and Design	4/2024
AWS Cloud Technical Essentials	6/2023
Foundations: Data, Data, Everywhere by Google	5/2023
CertNexus Certified Ethical Emerging Technologist	4/2023
Software Development Lifecycle	1/2023
Web Design for Everybody	10/2022
Computer Communications	6/2022

# SOCIAL NETWORK

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