

Nguyen Quang Huy

Tech Lead / Full-Stack Developer

Backend-leaning · Cybersecurity & data platforms

Hanoi, Vietnam · Open to remote

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Summary

Full-stack developer and current tech lead with 5+ years shipping cybersecurity and threat-intelligence platforms. Focused on backend systems that move high volumes of data reliably — queue-driven pipelines, search and storage at scale, and the operational tooling around them.

Skills

Languages: Go, TypeScript

Backend: REST APIs, Queue Workers, Transactional Outbox, Auth & RBAC

Data: PostgreSQL, MongoDB, Redis, Elasticsearch, Kafka, RabbitMQ

Frontend: Vue.js, React, TailwindCSS

Infra: Docker, MinIO, CI/CD

Experience

CyRadar - Core Database · Tech Lead

Jul 2025 - Present

Internal administration and data-processing platform for crawler operations, threat intelligence, IOC review, and monitoring.

- Owned platform direction: drove the Elasticsearch-to-PostgreSQL migration decision, set Go performance standards, and shaped the outbox and worker-pool architecture used across new workflows.
- Migrated 150M+ record blacklist workflows from Elasticsearch to PostgreSQL with cursor pagination, partitioned queries, PgBouncer-compatible pooling, and an XOR-filter lookup layer that delivered 2.9x faster misses, 2.6x faster hits, 58.5% lower heap use, and 88.9% fewer false positives than the prior 8-character fingerprint lookup.
- Cut GC cycles ~59% and per-batch allocations ~58% by introducing Go object pooling and tightening worker memory paths.
- Designed a transactional outbox system for asynchronous blacklist, whitelist, VirusTotal, email-classification, metrics, and imagery processing workflows with retries, batch claiming, and worker pooling.
- Hardened the admin surface with JWT, Microsoft SSO, TOTP, CSRF protection, and RBAC-scoped routes.

CyRadar - Threat Intelligence Platform · Full-Stack Developer

Jul 2024 - Jul 2025

Real-time threat-intelligence feeds, vulnerability management, data-leak monitoring, and brand-abuse workflows.

- Designed queue-based backend services for high-volume threat-intelligence processing, database operations, and third-party integrations.
- Developed Vue.js interfaces for data-leak monitoring, sensitive-information search, organization management, access control, and reporting schedules.

CyRadar - Core Database · Full-Stack Developer

May 2022 - Jul 2024

- Built Core Database, an internal Go/Vue.js administration platform for crawler operations, threat-intelligence workflows, API logs, notifications, and server monitoring.
- Built CySafe export modules for internal products and external vendors, including compact probabilistic blacklist data delivery.
- Integrated VirusTotal workflows and automated matching of client assets against phishing and threat databases.

CyRadar - Earlier Projects · Back-End / Full-Stack Developer

Oct 2020 - Apr 2022

- Built backend APIs and Vue.js interfaces for SIEM, license management, and multi-tenant SaaS workflows.
- Developed log-processing, regex parsing, distributed agent update, and vulnerability-scanner modules.

Freelance (concurrent with full-time role)

Homemate ERP · Full-Stack Developer

Feb 2024 - Dec 2024

- Built an Electron/React desktop ERP on Supabase to consolidate multiple disjoint tools the business was already running into a single unified workflow for product, sales, and transaction management.
- Implemented rollback-safe sales transactions so staff could operate from one system instead of reconciling across the previous tools.

Just Haircut · Front-End Developer

Oct 2025 - Dec 2025

- Built a Vue.js self-serve booking site to replace the salon's Instagram-DM booking flow — service, barber, date, and time-slot selection with responsive styling and form validation.
- Added client-side slot conflict detection so customers couldn't pick overlapping times, removing the manual double-booking checks staff previously did over Instagram.

Education

Hanoi University of Science and Technology — B.Eng. in Information Technology

2017 - Nov 2023