

Duong Minh Nhat

Backend Developer

Ho Chi Minh City, Vietnam • nhat.duongminh24@gmail.com • 0357223172 • github.com/BenSkye • linkedin.com/in/minh-nhat-duong • duongminhnhat.id.vn

PROFILE

Backend Developer with production experience designing Node.js and Java REST APIs, event-driven webhook pipelines, and caching/storage architecture for enterprise platforms. Comfortable owning data consistency, idempotency, and observability (Redis, SQL Server, Grafana), and pairs AI coding tools with architecture-first discipline to ship reliable backend systems faster.

CORE STRENGTHS

- ▶ Designs idempotent, retry-safe webhook and event pipelines with signature verification and normalized payload schemas.
- ▶ Builds caching and dual-storage strategies (Redis, AWS S3 + MinIO) that cut response times and support both cloud and on-premise deployment.
- ▶ Pairs Docker, Jenkins and Grafana with AI-assisted scaffolding to ship and observe backend services with confidence, not guesswork.

TECHNICAL SKILLS

Backend & APIs: Node.js, Express.js, Java, REST APIs, Webhooks, Firebase

Database & Caching: Redis, SQL Server, MongoDB

DevOps & Infrastructure: Docker, Jenkins, GitHub Actions, AWS (S3), MinIO, Grafana

AI-Assisted Development: Cursor, Claude, ChatGPT, Codex, AI Orchestration

Frontend (supporting): React.js, Next.js, TypeScript, React Native

Tools: Git

AI-AUGMENTED DEVELOPMENT

- Use AI (Cursor, Claude) to research third-party API/webhook documentation and scaffold handler boilerplate, then manually verify signature validation, idempotency keys, and retry logic before merge.
- Author Cursor skills and rules that constrain AI-assisted changes to defined API and workflow module boundaries.
- Re-analyze business requirements with AI to map modules, data flows, and edge cases before designing schemas and endpoints.

PROFESSIONAL EXPERIENCE

ONECAD Vietnam — Fullstack Developer

Jun 2025 – Present

Ho Chi Minh City

- Designed Node.js backend services with Redis caching and a Redis pub/sub pattern for real-time cache invalidation across an enterprise document platform.
- Built a dual storage architecture (AWS S3 cloud + MinIO on-premise) and chunked, resumable upload handling for large files on slow networks.
- Built webhook handlers for Autodesk APS/ACC platform events with idempotent, retry-safe processing, signature verification, and a normalized event schema for heterogeneous payloads.
- Implemented booking-conflict validation with optimistic locking and transactional SQL Server updates for OneSpace's leave, attendance and fleet-booking modules.
- Containerized services with Docker, automated releases with Jenkins CI/CD, and monitored API/webhook health (error rate, queue depth, latency) with Grafana dashboards and alerts.

AGECODE — Frontend Developer

Jul 2024 – May 2025

Remote

- Designed and consumed REST APIs connecting the Next.js frontend to Node.js backend services, including AI-based matching endpoints.
- Optimized API performance, error handling, and security hardening across the integration layer.

Ho Chi Minh City

- Worked with a Java backend powering a student management system; integrated VNPAY and PayOS payment APIs.
- Set up GitHub Actions CI/CD pipelines deploying services to Vercel and Render.

KEY PROJECTS

Autodesk Platform Extensions — *Node.js, Webhooks, Redis, SQL Server*

- Idempotent webhook event processing with signature verification and ordered, retry-safe handling per resource.
- Grafana dashboards/alerts on error rate, queue depth and handler latency for production visibility.

Enterprise Document & Workflow Platform — *Node.js, Redis, AWS S3, MinIO*

- Redis caching + pub/sub invalidation for frequently accessed documents across concurrent users.
- Dual cloud/on-premise storage strategy and chunked resumable uploads for large files.

OneSpace Internal Workplace Portal — *Node.js, SQL Server, Redis*

- Conflict-safe room/vehicle booking with optimistic locking and transactional leave/attendance workflows.

FindJob Web Platform (Open Source) — *Node.js, REST API, TypeScript*

- Fullstack job-search platform backend connecting employers and job seekers — github.com/BenSkye/FindJob_WEB.

EDUCATION

FPT University — Software Engineering (2021 – 2025)

CERTIFICATIONS

Software Development Lifecycle Specialization — *Coursera — University of Minnesota, May 2023*

Project Management Principles and Practices Specialization — *Coursera — UC Irvine, May 2024*

Computer Communications Specialization — *Coursera — Univ. of Colorado System, Nov 2022*

Web Design for Everybody Specialization — *Coursera — University of Michigan, Feb 2023*

LANGUAGES

English (professional working proficiency) • Japanese (basic)