

NGUYEN DINH KHA – Full Stack Engineer
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SUMMARY

Full Stack Engineer with 3.5+ years of experience building web applications, real-time systems and serverless platforms on AWS. Strong in TypeScript/Node.js (NestJS, Lambda, GraphQL, Strapi) with hands-on frontend experience in ReactJS/NextJS, plus CI/CD, Docker and infrastructure-as-code (AWS CDK).

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, Dart
- **Frontend:** ReactJS, NextJS, Flutter, Tailwind CSS, Material UI, ChakraUI, HeroUI
- **Backend:** NodeJS, NestJS, AWS Lambda, GraphQL, REST, Socket.io, Strapi CMS, Zod
- **Databases:** MongoDB, PostgreSQL, Redis
- **Cloud & DevOps:** AWS (Lambda, ECS, EC2, ECR, RDS, S3, CloudFront, EventBridge, CloudWatch), AWS CDK, Docker, GitLab CI/CD

PROFESSIONAL EXPERIENCE

Play North – Backend Developer

10/2025 – 10/2026

Project: Multi-brand iGaming Platform

- **Team:** 4 members – 1 Tech Lead, 3 Backend Developers
- **Role:** Backend Developer
- **Description:** Develop and maintain a serverless TypeScript monorepo (APIs, Strapi CMS, internal admin, integrations) powering 3 online casino brands on AWS, working in an international team.
- **Technologies:**
 - Back-end: NodeJS, TypeScript, AWS Lambda (Middy), GraphQL, Strapi v5, Redis.
 - Infrastructure: AWS (Lambda, ECS, API Gateway, EventBridge, S3, CloudFront, CloudWatch), AWS CDK.
- **Responsibilities:**
 - Built collection- and provider-level game ordering in Strapi v5 CMS, keeping CMS and published views consistent, and fixed ordering regressions across Strapi upgrades
 - Designed a webhook-driven publishing flow from Strapi for bonuses, promotions, cash drops and config items, replacing auto-publish with controlled manual publishing
 - Moved payment methods configuration from the CMS to the internal admin platform with many-to-many relations, enable/disable controls and a fix for stale sync events
 - Integrated a second third-party casino platform: launched a new brand on it while preserving the existing one, split GraphQL codegen into typed Admin/Public SDKs, and built Big Wins sync, bonus and promotion APIs

- Improved production reliability: triaged CloudWatch alarms, resolved a 10x P90 latency regression caused by DB connection handling, fixed Redis timeouts affecting 7 Lambda functions, and tuned ECS health checks for CMS publishing
- Hardened the dependency supply chain with pnpm workspaces/catalogs, blocked exotic sub-dependencies, a minimum release age for new packages, and upgrades of vulnerable packages
- Built Slack deployment notifications for backend and CMS, and drafted the estimation for multi-AWS-account environment support

Digital Unicorn – Full Stack Engineer

02/2023 – 08/2025

Project: Collaborative Learning Platform

- **Team:** 3 members – 1 Project Manager, 1 Frontend Engineer, 1 Backend Engineer
- **Role:** Backend Engineer
- **Description:** Develop a platform that connects trainers, coaches and learners, supporting real-time communication and subscription management.
- **Technologies:**
 - Front-end: NextJS
 - Back-end: NestJS, MongoDB, Socket.io
- **Responsibilities:**
 - Designed and implemented the authentication and authorization system with JWT
 - Developed real-time messaging and notification system using Socket.io with media/file support
 - Built calendar and training session APIs including scheduling, availability and certificate generation
 - Implemented subscription and payment system with premium access control
 - Integrated AWS S3 for secure file storage (profiles, certificates, training documents)
 - Configured Docker environments for local development and production deployment
 - Built and maintained GitLab CI/CD pipelines for automated deployment
 - Deployed applications to AWS services including EC2, ECS and ECR

Project: E-commerce Website

- **Team:** 2 members – 1 Project Manager, 1 Full Stack Engineer
- **Role:** Full Stack Engineer
- **Description:** Develop a full-featured e-commerce platform supporting product catalog, cart, checkout and real-time stock management.
- **Technologies:**
 - Front-end: NextJS
 - Back-end: NestJS, MySQL, Redis, S3
- **Responsibilities:**
 - Designed and implemented a stock reservation and checkout system to prevent overselling, using transactional atomic updates and background job cleanup
 - Built frontend features (product listing, cart, checkout flow, countdown timers) with reusable NextJS components
 - Developed RESTful APIs for product, cart, order and payment features

- Configured GitLab CI/CD for automated deployment, containerized applications with Docker, and delivered to AWS infrastructure (EC2, ECR and RDS)

Positive Thinking Company – Front-end Intern

04/2022 – 09/2022

Project: Employee Onboarding Website

- **Team:** 20 members – 5 Frontend, 9 Backend, 2 QC, 4 PM/PO/Architects
- **Role:** Frontend Engineer
- **Description:** A website that supports the onboarding process at the company.
- **Technologies:**
 - Onboarding & Admin portal: Flutter
 - Back-end: HapiJS, MongoDB
- **Responsibilities:**
 - Implemented reusable widgets used across multiple screens and features
 - Wrote unit tests for completed modules
 - Implemented new features and improvements based on the roadmap
 - Supported teammates in completing tasks

EDUCATION

PASSERELLES NUMÉRIQUES VIETNAM (PNV)

- Software Engineering
- Bachelor's Diploma in Information Technology
- Degree grade: Good – GPA 3.46/4