

# Thinh Nguyen (Ryan)

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## PROFESSIONAL SUMMARY

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Experienced Fullstack Developer with 7+ years in Frontend (**React, Next.js, Angular**) and 6+ years in Backend (**Node.js, Golang, NestJS, Microservices**). Passionate about scalable web applications, performance optimization, and clean architecture. Have contributed to various industries, including e-commerce, insurance, airlines, and SaaS platforms

## WORK EXPERIENCE

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**Sourcecode – Remote (FWD Oneweb, FWD eCom)**  
*Full-Stack Developer*

**Ho Chi Minh**  
*Nov 2021-Present*

- **About the Project:** Developed high-performance APIs and scalable microservices for e-commerce and marketing platforms, handling large-scale data processing and integrations.
- **Technical Stack:**
  - **Backend:** Node.js, NestJS, Serverless, TypeScript, GraphQL, REST APIs, MongoDB, Redis
  - **Frontend:** NextJS, ReactJS, TypeScript, MUI, Styled Components
  - **DevOps & Cloud:** AWS (S3, Lambda, EC2, CloudFront), Docker, CI/CD (GitHub Actions)
  - **Logger:** Datadog
- **Key Contributions:**
  - **Developed and optimized REST & GraphQL APIs** using **NestJS**, improving API response times by **40%**.
  - **Designed and implemented microservices architecture**, ensuring scalability and maintainability.
  - Optimized Next.js deployment by consolidating 7 ports into 1, allowing 6 products to run within a single Next.js source, reducing deployment time by 70%
  - Refactored a 2-year-old codebase in just 1 month, resolving memory issues caused by mono repos with multiple Next.js instances
  - **Implemented CI/CD pipelines**, enabling seamless deployments and automated testing.

**DIQIT (Pizza Hut Japan, AirAsia, and More)**  
*Full-Stack Developer*

**Ho Chi Minh**  
*Oct 2019 - Dec 2021*

- **About the Project:** Built a POS order synchronization system and inventory management solution for a high-traffic fast-food chain, processing 160,000+ daily orders across 400+ stores.
- **Technical Stack:**
  - **Backend:** Node.js, Express, REST APIs, MongoDB, Redis, RabbitMQ
  - **Frontend:** NextJS, ReactJS, VueJS, TypeScript, MUI, Redux
  - **DevOps & Cloud:** AWS (S3, Lambda, OpenSearch, EC2), Docker, CI/CD (GitHub Actions)
- **Key Contributions:**
  - **Developed a large-scale order synchronization system**, ensuring real-time updates across stores.
  - **Implemented gRPC-based communication** between microservices, reducing API latency.
  - **Optimized MongoDB queries and indexing strategies**, improving database performance by **30%**.
  - **Integrated RabbitMQ for asynchronous order processing**, reducing system load and increasing efficiency.

- **About the Project:** Developed a recruitment website (vieclamtotnhat.com), beauty salon introduction website (shynhpremium.vn)
- **Technical Stack:**
  - **Backend:** Node.js, Express.js, MongoDB
  - **Frontend:** AngularJS, Bootstrap, JQuery, Redis
  - **Cloud:** AWS, EC2
- **Key Contributions:**
  - **Built and optimized booking APIs** using **Express.js**
  - **Implemented caching mechanisms** with **Redis**, enhancing application speed and efficiency.

## **OTHER PROJECTs**

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**Komi.io** (A platform for talents and their fan club, where talents can bring their new projects to their fans)

### **Technologies:**

#### **Frontend:**

- + ReactJs + NextJs + Ant-design
- + Implemented UI for talent site, consumer site, and admin site
- + Implemented drag-drop UI using the react-beautiful-dnd library
- + Integrated Shopify into the website
- + Auto save, localization talent profile features
- + Used mixpanel to capture User metrics
- + Optimized image using image kit
- + Changed craco build tool to ViteJS build tool
- + Maintained high-level expertise in React state management strategies, including Redux, Redux Persist, and redux-saga
- + Implemented CSS Box Model and styled web pages using CSS preprocessor SCSS, and effectively used mixins, functions, custom grid systems, grid-area concepts, and flexbox for a fluid-responsive application
- + Executed Firebase to prevent users from editing talent profiles if another user is editing

#### **- Another:**

- + Source control: GitHub
  - + DevOps: Docker, CI-CD (Github CI-CD)
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**Structur** (A construction project management platform for contractors to manage projects, invoices, proposals, subcontracts, budgets, schedules, and team collaboration)

### **Technologies:**

#### **Frontend:**

- + React 19 + Next.js 15 + Ant Design + Tailwind CSS
- + Implemented UI for project management, invoicing, proposals, subcontracts, and expense tracking
- + Implemented drag-drop UI using @dnd-kit library for task boards and schedules
- + Integrated QuickBooks SDK for accounting and Stripe for payment processing
- + Used GraphQL codegen for type-safe API integration with Apollo Client
- + Implemented internationalization using next-intl
- + Maintained state management using Zustand
- + Implemented responsive design using Tailwind CSS with CSS Grid and Flexbox

+ Executed Supabase for authentication, database operations, and file storage

### **Backend:**

- + NestJS + GraphQL (Apollo Server) + Prisma ORM
- + Implemented GraphQL API with code-first schema and type-safe resolvers
- + Designed Clean Architecture with separation of concerns (GraphQL, Application, Service layers)
- + Integrated Supabase PostgreSQL database with Prisma
- + Implemented authentication using JWT and Passport.js
- + Integrated QuickBooks API and Stripe for payments
- + Used DataLoader pattern
- + Implement real-time data sharing, so all team members stay in sync

### **DevOps & Tools:**

- + Monorepo: Turborepo + pnpm workspaces
- + Source control: Git with Git Flow workflow
- + DevOps: Docker, CI/CD (Vercel)

**Database:** Supabase (PostgreSQL) with migrations and RLS

## **EDUCATION**

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**UNIVERSITY OF INFORMATION TECHNOLOGY – Ho Chi Minh City, Vietnam**  
*Bachelor of Science in Software Engineering | 2015 – 2019*

## **SKILLS & INTERESTS**

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### **Skills: (Technical Skill)**

- **Programming Languages:** JavaScript (Node.js, TypeScript), Golang
- **Front-End:** ReactJS/React Native, VueJS, NextJS, Redux, TailwindCSS, MUI, Ant Design, Styled component
- **Back-End:** NestJS, Express, GraphQL, REST APIs, gRPC
- **Databases:** PostgreSQL, MongoDB, Redis, Supabase
- **DevOps & Cloud:** AWS (Lambda, S3, EC2, OpenSearch, API gateway, Cloudfront, Cognito ...), Docker, Terraform, CI/CD (Gitlab actions, Github Action, Vercel)
- **Testing & Quality:** Jest, Cypress, SonarCloud
- **Source controls:** GitHub, GitLab, CodeCommit, Azure repos, Bitbucket
- **Other:** RabbitMQ, Scrum, Agile

### **Interests:**

- **Tech & Innovation:** Passionate about system architecture, AI-driven applications, and cloud computing.
- **Sports & Hobbies:** Badminton, movies, music, travel, and exploring new technologies.