



Nguyen Duc Tin

Full-stack Developer

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SUMMARY

Full-stack Developer with 7+ years of experience building scalable web and cloud-based applications across backend and frontend technologies. Strong background in Java (Spring Boot) and Node.js (NestJS), with hands-on experience in designing microservices, serverless architectures, and real-time systems.

Proven ability to lead development teams, design system architecture, and deliver complex solutions in international projects. Experienced in modern JavaScript frameworks (ReactJS, React Native) and AWS cloud services. Strong focus on clean architecture, scalable system design, and maintainable code in production environments.

CORE SKILLS

- **Languages:** TypeScript, JavaScript (ES6+), Java, SQL
- **Frontend:** ReactJS, React Native, HTML/CSS, Redux, Context API
- **Backend:** Node.js, NestJS, Spring Boot, REST APIs, Microservices
- **Cloud:** AWS (EC2, CloudFront, Lambda, API Gateway, RDS, DynamoDB,...)
- **DevOps:** Terraform, Serverless Architecture
- **Database:** MySQL, PostgreSQL, DynamoDB
- **Other:** WebRTC, Firebase, Stripe, OpenAI API

WORK EXPERIENCE

2019 – Present

VNEXT Software – Da Nang

Team Lead | Full-stack Developer

- Designed and developed scalable web applications using Node.js (NestJS), ReactJS, and AWS cloud services.
- Led development teams (3–10 members), including task planning, code reviews, and mentoring junior developers.
- Improved code quality and reliability by writing unit tests for critical components, conducting code reviews, and integrating automated testing and coverage checks into CI pipelines.
- Architected microservices and serverless systems using AWS Lambda, API Gateway, and DynamoDB.
- Wrote technical documentation for system architecture, APIs, and deployment processes.
- Collaborated with international clients, gathering requirements and delivering technical solutions.
- Improved system scalability and performance through queue-based processing and optimized backend design.

2018 – 2019

FPT Software – Da Nang

Backend Developer

- Developed backend services using Java (Spring Boot) for enterprise web applications.
 - Built and maintained RESTful APIs in a multi-tier architecture.
 - Collaborated with frontend teams (AngularJS) to deliver full-stack features.
 - Worked with relational databases and SQL for data management.
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PROJECTS

2024 – 2026

Camera Dashboard Cloud System

Team Lead

Domain: Security & Smart Surveillance Systems

Team size: 8

Tech: ReactJS, NestJS, AWS, BullMQ

- Led development of a cloud-native camera management platform supporting AI-based facial recognition.
 - Designed backend services integrating third-party facial recognition APIs.
 - Redesigned image processing using BullMQ after identifying production bottlenecks caused by downstream services.
 - Migrated scheduled background jobs to AWS Lambda to improve deployment independence and system availability.
 - Implemented monitoring and alerting with Amazon CloudWatch for production environments.
 - Collaborated with clients on architecture decisions and deployment strategy.
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2023 – 2024

Chatbot Platform (LINE Integration)

Full-stack developer

Domain: Conversational AI

Team size: 6

Tech: ReactJS, NestJS, OpenAI API, LINE Platform

- Developed a conversational AI platform supporting multiple chatbot personalities.
 - Integrated OpenAI and external AI services.
 - Implemented conversation context management to improve response quality.
 - Built RESTful backend services and frontend interfaces using NestJS and ReactJS.
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2023

Serverless User Management System

Backend Developer / DevOps

Domain: Cloud Migration

Team size: 2

Tech: AWS Lambda, API Gateway, DynamoDB, Terraform

- Designed serverless REST APIs supporting cloud migration initiatives.
 - Implemented infrastructure using Terraform.
 - Built authentication and user management services.
 - Automated cloud deployment processes.
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2022 – 2023

Guard Lock System

Team Lead

Domain: IoT / Smart Property Access Management

Team size: 10

Tech: Node.js, ReactJS, React Native

- Developed an IoT-based smart property access platform.
- Designed secure authorization flows for Bluetooth-enabled smart locks.
- Led architecture discussions and coordinated development activities.
- Delivered backend services supporting booking validation and access control.

2021 – 2022

Curtain Ordering System

Team Lead

Domain: Manufacturing Order Management

Team size: 4

Tech: ReactJS, Node.js, AWS SES

- Developed a full-stack ordering platform enabling distributors to manage customer orders.
- Designed RESTful APIs and backend workflows for order processing.
- Integrated AWS SES for automated email notifications.
- Led frontend development using ReactJS and coordinated implementation across team members.
- Improved maintainability through modular architecture and reusable components.

2018 – 2021

Other Projects:

- Live Streaming Platform (WebRTC, Firebase)
- Mobile Applications (Swift, Kotlin, React Native)
- Mitsubishi Ship Management System (Google Maps API)
- OCR App (Google Vision API)
- Salesforce-based Business Applications

CERTIFICATIONS

2026	AWS Certified Solutions Architect - Professional
2025	AWS Certified Developer – Associate Salesforce Certified Platform Developer I Salesforce Certified Agentforce Specialist
2024	AWS Certified Solutions Architect – Associate

EDUCATION

2013 – 2018

DANANG UNIVERSITY OF TECHNOLOGY AND SCIENCE

Major: Information Technology