

# Software Engineer - Nguyen Quoc Dai

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## SUMMARY

Versatile and results-driven Full-Stack Software Engineer with nearly 4 years of hands-on experience designing and developing end-to-end web applications. Adept in both front-end and back-end technologies, with a strong foundation in TypeScript, React.js, Next.js, NestJS, and PostgreSQL. Proven ability to deliver high-quality, scalable solutions across various domains including healthcare, CRM, and data analytics.

Known for being a proactive team player with a strong problem-solving mindset, attention to detail, and a passion for clean, maintainable code. I actively participate in the full software development lifecycle, from system design and architecture to implementation and deployment. I have also led and mentored junior developers, conducted code reviews, and contributed to team growth.

Career Objective: To grow into a Senior Software Engineer position where I can lead complex technical initiatives, build impactful products, and foster a culture of continuous learning and innovation.

### Core Skills

- Full-stack development using TypeScript, React.js, Next.js, NestJS
- RESTful API design, real-time communication with WebSocket
- UI/UX implementation using Ant Design, MUI, Shadcn
- Agile/Scrum methodology & cross-functional team collaboration
- DevOps basics: Docker, Nginx, Linux, CI/CD with Github Action
- Git-based workflows, code reviews, unit testing (Jest)

## TECHNICAL STACK

Languages: TypeScript, JavaScript, SQL, C#

Front-end: React.js, Next.js, Redux-toolkit, Recoil, Storybook, Tailwind, Sass

Back-end: NestJS, Express.js, ASP.NET

Databases: PostgreSQL, MySQL, SQL Server

UI Libraries: Ant Design, MUI, Shadcn

Communication: WebSocket, Socket.IO

Tools: Git, Docker, Jira, Figma, Zeplin, Firebase

Testing: Unit Tests, Jest, Postman

Others: RESTful API design, technical documentation, deployment

# PROFESSIONAL EXPERIENCE

## **Vietstats Co., Ltd** (Apr 2024 – Present)

embed.vietstats.vn – is a data-as-a-service platform developed by Vietstats that enables users to configure and embed interactive charts into external systems such as news portals, enterprise websites, and content management systems (CMS) like WordPress, Node.js, or Java-based platforms.

Role: Full-Stack Developer

- Developed a data visualization platform for configuring and embedding charts into external platforms such as WordPress, Node.js, and Java-based CMS
- Designed scalable system architecture and database schema
- Built dynamic front-end interfaces using React.js and Next.js 14 App Router
- Created secure, reusable REST APIs with NestJS and PostgreSQL
- Enabled data-driven storytelling for media companies and enterprises
- Deployed platform with Docker and Nginx in a production environment

Technologies: TypeScript, Next.js 14, NestJS, PostgreSQL, Firebase, WebSocket, Docker, Nginx

vietstats.vn — Data-as-a-Service platform offering industry-level datasets.

Role: Full-Stack Developer

- Designed system architecture and database schema aligned with business logic
- Developed RESTful APIs with NestJS and PostgreSQL
- Built responsive, modern UI using React.js and Next.js 14
- Mentored interns and junior developers; performed code reviews
- Configured production servers and deployed services using Docker and Nginx

Technologies: TypeScript, Next.js 14, NestJS, PostgreSQL, Firebase, WebSocket, Docker, Nginx

## **Doctor Check JSC** (Apr 2022 – Apr 2024)

Multiple integrated projects supporting healthcare operations and user portals

Doctor Check CRM – Frontend Developer

- Built and maintained key modules for customer relationship management
- Integrated real-time chat (Facebook, Zalo), customer insights, and messaging tools
- Wrote unit tests and collaborated closely with the back-end team

Technologies: React.js, TypeScript, Redux-toolkit, WebSocket, Firebase

Zalo Mini App – Frontend Developer

- Developed a mobile app on Zalo Super App for appointments, test results, and promotions
- Led UI/UX design and implementation; deployed app to production
- Authored documentation and user guides

Technologies: React.js, TypeScript, Firebase, WebSocket

Doctor Check HIS – Front-end Developer

- Enhanced internal tools for doctors and nurses (appointments, health records)
- Migrated modules from view engine to modern SPA architecture

Technologies: React.js, Next.js, MUI, WebSocket

Doctor Check Portal – Full-Stack Developer

- Built a customer-facing portal for viewing health checkups, reports, and invoices
- Developed APIs and integrated front-end with back-end services
- Optimized performance and deployed system to production

Technologies: Next.js, NestJS, SQL Server, Redux-toolkit, Ant Design

**ViHAT Technology Co., Ltd** (Jan 2022 – Mar 2022)

OMICall CRM – Front-end Developer (Intern)

- Built CRM modules including multi-channel messaging and email management
- Participated in requirement analysis and feature implementation

Technologies: React.js, Next.js, Redux-saga, Firebase, Docker

## **EDUCATION**

Ho Chi Minh City Industry and Trade College

Bachelor's Degree in Information Technology (2018 – 2022)

## **ACHIEVEMENTS**

- Top 15 National Finalist – Startup Kite 2021
- National Encouragement Award – AI-based smart attendance system with automatic temperature detection