

NGUYEN DUC KHANG

Fullstack Developer

+84 849630412 senytera@gmail.com portfolio.senytera.online Ha Noi

SUMMARY

I have more than 3 years of experience as a Fullstack Developer. I am highly proficient in React (Next.js) with a focus on SEO, and I specialize in developing user interfaces with excellent performance and user experience. In my 1.5 years of experience in a Backend role using Node.js (NestJS), I have developed optimized GraphQL and REST APIs. I have a deep understanding of optimizing seamless communication within applications. Additionally, I have solid knowledge of Git, Docker, AWS, and server management. I also have experience working within Agile/Scrum methodologies.

WORKING EXPERIENCE

Fullstack developer

TGL Solutions

03/2021 - Present

Throughout my career, I progressed from a Frontend role to a leadership position as a Frontend Tech Leader. I then expanded my responsibilities to include Backend development. During this journey, I participated in various projects, such as booking systems, custom open-source solutions, and real-time applications.

- As a Frontend Tech Leader, I focus on creating an efficient, intelligent, and easily scalable codebase. I provide technical support and guidance to team members, review their code, and offer customized solutions for each project's requirements.
- In the Backend position, I am involved in the development and building of APIs and features for various projects.
- I have also received numerous individual awards for my performance and creativity.

SKILLS

I have a solid background in JavaScript (ES6), especially in TypeScript with its advanced features. I have experience working with Ubuntu/Linux servers, using Nginx, Docker, and EC2 for developing and deploying projects. Additionally, I am skilled in developing and utilizing various types of APIs such as GraphQL and REST API, for both frontend and backend development.

Frontend

- Proficient in React and Next.js for building modern and scalable web applications.
- Proficient in HTML, CSS, SCSS, and Tailwind CSS for creating responsive and semantic user interfaces.
- Experienced in developing SEO-friendly UI/UX designs
- Extensive experience in utilizing Hooks, Custom Hooks, HOC, and Component Composition.
- Strong expertise in performance optimization techniques such as memoization.
- Proficient in Redux and Context API for state management in large-scale applications.
- Skilled in handling complex application states effectively.
- Familiarity with popular UI libraries and frameworks including Ant Design, Material-UI, Shadcn, and Mantine.
- Mastery of Axios, RESTful API (SWR, ReactQuery), and GraphQL (ApolloClient) for efficient data access.
- Proficient in building websites with animations using GSAP, Framer Motion, and Three.js.
- Experienced in utilizing Vite, Webpack, ESLint, and Prettier to optimize project setups
- Knowledge of Realtime technologies including socketIO and Firebase for building real-time features in web applications.

Backend

- Proficient in NestJS for building scalable and maintainable applications.
- Extensive experience in API development, including REST API and Express.
- Skilled in GraphQL and Apollo Server for efficient and flexible API implementations.
- Strong proficiency in working with SQL databases such as MySQL and PostgreSQL.
- Familiarity with NoSQL databases like MongoDB and expertise in data modeling.
- Experience with ORM frameworks including TypeORM, Prisma, and Mongoose for seamless database interactions.
- Proficient in data caching and building real-time applications with Redis, socketIO.
- Knowledge of AWS services including EC2, RDS, S3 for cloud infrastructure setup and management.
- Proficient in application deployment and management on cloud platforms

POPULAR PROJECTS

Realtime Workspace

01/2024 - 06/2024

Personal

<https://github.com/SeNyteraA/live-workspace>

My project involves developing a comprehensive real-time workspace system. The system will focus on integrating chat functionality, notifications, and task management features. With a strong emphasis on speed and efficiency, the system will ensure optimal performance and responsiveness, enabling swift and seamless interactions within the workspace environment.

- Role: Solo
- My contributions: include analyzing, designing systems, crafting interfaces, developing APIs, and improving application performance, including optimization and deployment to web environments.
- Technologies used: React, NestJS, React Query, Redux, MantineUI, React Hook Form, Tailwind CSS, socketIO, MySQL, Prisma, Redis, EC2, S3, Docker, FireBase, Nginx, FireBase.

POPULAR PROJECTS

House Inspection System

03/2022 - 06/2023
TGL Solutions

Dynamic Survey Templates, Evaluations, and Data Collection Management via Web and App Platform

- Role: Fullstack developer (Web, App, Backend).
- Team size: 8.
- My contributions: I handled frontend, backend, and mobile app roles, set up the source code base, reviewed frontend code, analyzed business requirements, developed the interface and app, wrote APIs, and optimized performance.
- Technologies used: ReactJS, React Native, Nestjs, Tailwind CSS, Redux, React Hook Form, React DND Beautiful, Antd, MongoDB, GraphQL, Apollo Client.

Custom open-source

03/2023 - 07/2023
TGL Solutions

The project aims to enhance Mattermost, an open-source platform, to improve communication, task management, and internal company processes. This involves improving the user interface, adding features for seamless integration with other company systems, and streamlining internal activity management.

- Role: Frontend developer.
- Team size: 4.
- My contributions: I enhanced Mattermost's open-source code, improving the user interface and integrating additional features with other systems. These changes improved communication efficiency and simplified internal processes.
- Technologies used: ReactJS, React Native, Redux, RESTApi, Mysql, GoLang.

Renew logistic system

11/2022 - Present
TGL Solutions

The project involves overhauling the management system for millions of products handled by Japan's leading logistics corporation. This comprehensive project is divided into multiple modules, each catering to specific operational functions of the corporation.

- Role: Frontend developer.
- Team size: 20~30.
- My contributions: primarily focused on creating intuitive user interfaces and optimizing application behaviors to improve customer workflow efficiency, while also optimizing the system for enhanced overall user experience and productivity.
- Technologies used: ReactJS, NextJS, Tailwind CSS, Mantine, Antd, Redux, React Hook Form, React DND Beautiful, RestApi, Mysql, C#.

Travel booking system

09/2023 - 03/2024
TGL Solutions

Dynamic Survey Templates, Evaluations, and Data Collection Management via Web and App Platform.

- Role: Fullstack developer.
- Team size: 12.
- My contributions: I integrated Firebase authentication with webviews, managed frontend, backend, and mobile app tasks, established the source code base, analyzed business requirements, developed interfaces, and apps, wrote APIs, and optimized performance.
- Technologies used: NextJs, NestJS, SWR, Redux, Ant Design, React Hook Form, Tailwind CSS, socketIO, MySQL, TypeORM, Redis, ECS, S3, Docker, FireBase, Webview, AASA, Webview.

EDUCATION

Software Engineer

VNUHCM - University of Information Technology

HCMC
2018 - 2022

LANGUAGES

English (650 TOIEC)