

NGUYEN DUC KHANG

Fullstack Developer

+84 849630412 • senytera@gmail.com • HCMC

Summary

I am a Fullstack Developer with **over 2 years** of experience in creating robust and user-friendly web applications. I have a proven track record of using **NodeJS (NestJS)** for developing scalable backends and **ReactJS (NextJS)** for building engaging frontends. I possess expertise in **TypeScript, RESTful APIs, GraphQL**, and **database technologies**. My passion lies in developing high-quality, maintainable software that delivers exceptional user experiences. I am currently seeking a challenging opportunity to contribute my skills and expertise to a fast-paced and innovative team.

Working Experience

TGL Solutions

Fullstack developer

03/2022 - Present

A company specializing in outsourcing services for the Japanese market.

SKILLS

As a Full-Stack Developer, I specialize in building user-centric web applications using frameworks such as **JavaScript/TypeScript**. My expertise covers both front-end and back-end development, ensuring a holistic approach to project delivery. I have a successful track record in creating booking systems, real-time applications, and contributing to open-source projects. I use **TypeScript** to improve code maintainability, while **Git, Docker**, and **Agile/Scrum** methodologies help me ensure smooth development workflows and efficient collaboration.

Frontend

I am a skilled creator committed to designing engaging web and mobile experiences that prioritize user satisfaction. I possess expertise in advanced technologies like **ReactJS** and **NextJS**, which I utilize to build complex, high-performance applications. With a strong foundation and the necessary skills, I adeptly tackle the challenges of front-end development, leveraging my expertise and supplementary libraries to execute projects swiftly and efficiently.

- Deep understanding of **React Hook** and system optimization techniques to ensure optimal performance and user experience.
- For building basic and advanced web structures, a strong command of **HTML, CSS, SCSS, Responsive** and **TailwindCSS** is essential.
- Utilize popular UI libraries such as **Ant Design, MaterialUI**, and **Mantine** to create visually appealing and intuitive user interfaces.
- Specialized in handling and managing state management, particularly **Redux**, for complex systems.
- Mastered **Axios, RESTful API (SWR, ReactQuery)** and **GraphQL (ApolloClient)** for efficient data access.

Backend

I have a specialization in developing robust and real-time systems. Building high-performance server-side solutions is my passion and I use **NodeJS** and **NestJS** to create APIs and backend services that meet the highest standards of performance and scalability. My expertise also includes designing and implementing **RESTful APIs** and **GraphQL** to facilitate flexible and efficient data access. With my extensive experience, I have a proven track record of optimizing application speed and building real-time functionalities to provide exceptional user experiences.

- Adept at using ORM frameworks such as **TypeORM, Prisma** for efficient data modeling and seamless database interaction with **MySQL, PostgreSQL**, and **MongoDB**.
- Implement real-time features using **SocketIO** and leverage **Redis** for caching and data storage optimization.
- Proficient in both Object-Oriented Programming (**OOP**), Functional Programming, and Design Patterns.
- Using tools like **Docker, AWS**, and **Nginx** for development and deployment processes, management, and automation.
- Having a comprehensive knowledge of information security practices is crucial. This includes understanding authentication, authorization, data encryption, and techniques to prevent cyber attacks.

Realtime Workspace

01/2023 - Present

The development of a comprehensive real-time workspace system focused on integrating chat functionality, notifications, and task management features. Crafted using a cutting-edge tech stack including **NextJS** and **ReactJS**. With a strong emphasis on speed and efficiency, the system ensured optimal performance and responsiveness, enabling swift and seamless interactions within the workspace environment.

- **Frontend:** for effective state management, **Redux** was employed, guaranteeing smooth and predictable handling of the application state. Additionally, **React Query**, fully supported with **TypeScript**, was integrated to enhance data fetching and caching. A modern, responsive user interface prioritizing usability and aesthetics was developed using **MantineUI** and **Tailwind CSS**.
- **Backend:** Real-time communication functionalities were seamlessly incorporated using **socketIO**, enabling instantaneous messaging and collaboration among users. The database schema was optimized using **MySQL** and **Prisma**, ensuring efficient data storage and retrieval. Integration of **Redis** for caching purposes enhanced overall system performance and responsiveness.
- **My contributions:** included developing frontend codebase and features, integrating React Query and Redux, writing backend APIs, and managing socket operations.

Travel booking system

09/2023 - 03/2024

A booking system built with **Next.js** caters to businesses needing a web-based platform optimized for mobile devices. Its responsive design ensures accessibility across all devices with web browsers, providing an efficient solution for integration within clients' webviews. This approach minimizes costs while enhancing convenience and user experience.

- **Frontend:** utilizes **Ant Design** and **Tailwind CSS** for a visually appealing and responsive user interface. With **SWR** for efficient data fetching, **Firebase** for real-time synchronization, and **socket.io** for instant communication, we ensure a seamless and dynamic user experience.
- **Backend:** PHP and Laravel, integrating Laravel Echo for real-time communication and Firebase for messaging functionality.
- **My contributions:** involved frontend development and business logic implementation, seamlessly integrating **Firebase** authentication with **webview** and ensuring compatibility across various platforms for optimal user experience.

Renew the logistics system

03/2022 - 10/2022

This project aims to renew an outdated logistics system using new technologies based on customer requirements. The process will involve generating ideas for improvements, implementing necessary upgrades and integrations, and overhauling the entire system to make it more efficient and functional.

- **Frontend:** Leveraging technologies such as ReactJS, React Query, Ant Design (antd), Tailwind CSS, React Hook Form, TypeScript, and Styled Components, I enhance efficiency and functionality across projects.
- **Backend:** C#
- **My contributions:** involved developing frontend and business logic implementation.

Education

VNUHCM - University of Information Technology

Software Engineer

HCMC

2018 - 2022