

# NGUYEN KIM DAT

Fullstack Engineer

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## OBJECTIVE

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Passionate Full-Stack Developer with 3+ years of experience specializing in JavaScript and TypeScript. Skilled in building scalable web applications using React.js and Node.js. Adept at designing APIs, optimizing server performance, and delivering smooth frontend experiences. Excited to contribute to impactful projects while continuously learning and improving.

## SKILLS, CERTIFICATIONS & TRAINING

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- **Languages:** Conversational Proficiency in English
- **Programming Languages:** JavaScript & TypeScript
- **Frontend:** React.js, Next.js, Redux Toolkit, React Query, Styled-Components, Material-UI, Ant Design, Chakra-UI, TailwindCSS
- **Backend:** Node.js, Express.js, NestJS, Sequelize, Knex.js
- **Databases:** PostgreSQL, MySQL, MongoDB
- **Cloud & DevOps:** AWS Lambda, S3, Docker, CI/CD pipelines
- **Tools:** Git, GitHub, Bitbucket, Jira, ClickUp, Trello, Postman
- **Training:**
  - Mentored freshers on Git basics at RikkeiSoft.
  - Conducted training sessions on React.js and Next.js for junior developers at RikkeiSoft.
- **Others:**
  - Good understanding of SOLID principles, and design patterns.
  - Hands-on experience with Cloud Computing Platforms: Amazon Web Services.
  - Experience in setting up CI/CD pipelines, using Docker, and implementing DevOps best practices.

## WORK EXPERIENCE

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### Immigration case management software

Fullstack Developer, SaigonTech

Australia

9/2024 – Present

**Description:** A web-based internal tool designed to streamline immigration case management. Users can input information into web forms that comply with government-issued PDFs, helping organizations efficiently manage cases and assist clients in visa applications.

**Type:** Internal tool

#### Technologies:

- Frontend: ReactJS, TypeScript, Shadcn UI, Tailwind CSS, PDF-lib, NX Dev, dnd-kit
- Backend: NestJS, TypeScript, Sequelize, AWS S3, PDF-lib, Stripe

**Tools:** GitHub, ClickUp, Figma, Slack, SonarQube

#### Responsibilities:

- Developed and implemented key application features for both backend and frontend.

- Configured and optimized AWS S3 for file, image, and document storage.
- Set up and maintained CI/CD pipelines using GitHub Actions and AWS CloudFormation.
- Analyzed and estimated project timelines based on client requirements.
- Ensured seamless backend-frontend integration.
- Processed and handled government-issued PDF forms with editable fields.
- Configured and ran SonarQube to enforce code quality standards.

### Wedding Gift Registry Platform

Korea

ReactJs Developer, Freelancer

05/2024 – Present

**Description:** A wedding platform that allows guests to purchase gifts for the bride and groom. Gifts can be selected by attendees or predefined by the couple. The platform also provides a custom invitation card designer, enabling users to create and share digital invitations.

**Type:** Public website

**Technologies:** React.js, Next.js, TypeScript, Styled-components, Tailwind CSS, i18next, React-query, Zustand, Toss Payment

**Tools:** Github, Oodo, Figma, Slack

#### Responsibilities:

- Analyzed and estimated project requirements to ensure feasibility and timeline accuracy.
- Integrated the platform with the original system to fetch and display product information.
- Developed a custom invitation card designer for the bride and groom.
- Built a gift voting system, helping guests understand the couple's preferences.
- Integrated Toss Payment to enable secure and seamless transactions.
- Developed and integrated APIs for efficient backend communication.

### E-commerce Marketplace Platform

Korea

ReactJs Developer, Freelancer

01/2024 – Present

**Description:** A marketplace where individuals and businesses can sell products. The platform includes in-house sales representatives and freelancers who assist with selling. It also provides product templates to help sellers create listings more efficiently.

**Type:** Public website

**Technologies:** React.js, TypeScript, Styled-components, Tailwind CSS, NaverMap, Google Maps, i18next, Chart.js, Redux Toolkit, KakaoJS, Toss Payment, CKEditor5

**Tools:** Github, Oodo, Figma, Slack

#### Responsibilities:

- Analyzed and estimated project requirements to ensure feasibility and development efficiency.
- Integrated the platform with the original system to retrieve product details and potential customer data.
- Implemented Google Maps and Naver Map for company and customer location visualization.
- Developed interactive data visualizations using Chart.js for better insights.
- Integrated KakaoJS and Toss Payment for secure transactions.
- Developed and integrated APIs to support seamless backend communication.

## Emergency Assistance App for Australia and New Zealand

Australia

NodeJS Developer, SaigonTech

10/2023 – 07/2024

**Description:** A public safety app designed to assist users in emergency situations. It allows users to send distress alerts to a predefined list of friends, relatives, and emergency response systems. The app can automatically trigger alerts if a user remains in a dangerous location for too long or experiences a medical emergency (e.g., heart attack). It operates in Australia and New Zealand, ensuring timely assistance during critical situations.

**Type:** Public app

**Technologies:** Node.js, Serverless, AWS Lambda, WebSocket

**Tools:** Bitbucket, Jira, Figma, Slack

**Responsibilities:**

- Developed and implemented backend logic to support real-time emergency alerts.
- Configured and optimized AWS Lambda functions for seamless serverless execution.
- Analyzed and estimated project timelines to align with client requirements.
- Integrated and tested APIs to ensure reliable communication with emergency systems.
- Built and optimized a WebSocket system supporting over 1,000 concurrent users.
- Implemented precise geolocation tracking to detect user locations and trigger emergency alerts.
- Ensured data security and reliability in API communication.

## Education Course Management

Korea

ReactJs Developer, Freelancer

08/2023 – 09/2024

**Description:** This project is designed to manage HRD-Net data for educational courses. The tool facilitates the management of contracts between companies, educational organizations, and HRD data, streamlining processes related to financial transactions and contract management.

**Type:** Public website

**Technologies:** ReactJS, Typescript, React-query, Material-ui, ChartJS, Redux toolkit, i18next

**Tools:** Github, Oodo, Figma, Slack

**Responsibilities:**

- Analyzed and estimated project requirements.
- Designed and structured the frontend codebase for scalability.
- Implemented user interfaces according to Figma designs.
- Developed API integrations for seamless data exchange.
- Converted and imported HRD-Net data into the system for efficient management.

## Bank Asset Management Tool

Singapore

Fullstack Developer, SaigonTech

07/2023 – 11/2023

**Description:** A bank asset management system designed to help employees track and manage assets across multiple companies and countries. The web application consolidates asset data and provides an intuitive visualization using Google Maps and OpenStreetMap, enabling efficient asset monitoring and management.

**Type:** Internal tool

**Technologies:**

- **Frontend:** ReactJS, Firebase Notifications, Google Maps API, Leaflet (OpenStreetMap), Chakra-UI, Axios, React-hook-form, Yup, Js-Pdf
- **Backend:** Node.js, AWS Lambda, Knex, PostgreSQL

**Tools:** Bitbucket, Jira, Figma, Slack

**Responsibilities:**

- Analyzed client and project requirements to provide accurate project timeline estimates.
- Developed and maintained the frontend codebase, ensuring scalability and maintainability.
- Implemented user-friendly UI components based on Figma designs.
- Developed API integrations for efficient data exchange.
- Set up and implemented Google Maps API and OpenStreetMap for asset visualization.
- Designed and implemented authentication, role-based access control (RBAC), and data security measures to safeguard asset information.
- Built and deployed the development environment on Amazon S3 for efficient internal testing and staging.
- Collaborated with cross-functional teams to align the project with business goals.

## SDK For System Integration

**Singapore**

*NodeJS Developer, SaigonTech*

*05/2023 – 07/2023*

**Description:** Developed and tested a TypeScript SDK for the Kinde library, enabling authentication, organization management, and seamless integration with the Kinde system. The SDK simplifies system integration for developers by providing a structured and well-documented interface.

**Type:** Public website

**Technologies:** NodeJS, Typescript, Express

**Tools:** Bitbucket, Jira, Figma, Slack

**Responsibilities:**

- Developed and tested a TypeScript SDK to support authentication and organization management within the Kinde system.
- Built a generator tool to streamline SDK setup and usage.
- Created a starter kit to help developers integrate the SDK quickly.
- Wrote comprehensive documentation covering SDK implementation, troubleshooting, and best practices.
- Integrated OpenAPI to ensure consistency and ease of use for API consumers.
- Monitored user feedback, identified issues, and implemented bug fixes and optimizations to improve SDK performance.

## Test Case Management System

**Vietnam**

*Full-stack Developer, SaigonTech*

*01/2023 – Present*

**Description:** Developed a web application for test case management, allowing users to efficiently track and manage bugs or issues through structured test cases. The system provides real-time visualization of test case data to improve testing workflows and collaboration.

**Type:** Public website

**Technologies:** NodeJS, MySQL, Sequelize

**Tools:** Bitbucket, Jira, Figma, Slack

**Responsibilities:**

- Analyzed and estimated project requirements to define a clear development roadmap.
- Designed and implemented the source code structure for scalability and maintainability.
- Developed and integrated APIs to facilitate seamless communication between frontend and backend.
- Implemented a deployment pipeline for the development environment using Amazon S3.
- Continuously handled bug fixes and system maintenance to ensure application stability and performance.

**Stock Photos Online Marketplace - OSDC****Malaysia***Frontend Developer, RikkeiSoft**02/2022 – 10/2022*

**Description:** This project is an online marketplace for selling various digital products including images, videos, audio files, and more. Additionally, the website features a comprehensive image editing tool that enables users to add text, shapes, apply filters for enhancement, and remove backgrounds.

**Type:** Public website

**Technologies:** ReactJS, NodeJS, NextJS, Storybook, SASS/SCSS

**Tools:** Bitbucket, Jira, Figma, Slack

**Responsibilities:**

- Developed a UI library for the company's website.
- Supported in building an advanced image editing tool, including features such as adding text, shapes, enhancing filters, and removing backgrounds.
- Built a landing page for marketing the product.
- Researched and developed color tools like the Color Wheel.
- Built pages to showcase events organized by months and years with Google Calendar API.
- Collaborated with backend developers to integrate APIs.
- Attended daily meeting with the internal and external project team from Malaysia and Vietnam.
- Conducted Sprint demo with the client from Malaysia.

**Human Resource & Household Services Management System****Vietnam***Fullstack Developer, Freelancer**01/2022*

**Description:** An internal management system for handling human resources, domestic helpers, and customer service requests. The system manages employee and client profiles, contracts, work schedules, and financial records.

**Type:** Internal tool

**Technologies:** ReactJS, NodeJS, ExpressJS, TypeScript, Jsonwebtoken, Redux Toolkit, TailwindCSS

**Tools:** Github, Trello, Figma, Slack

**Database:** MySQL

**ORM:** Sequelize

**Responsibilities:**

- Built functions according to the customer's business with Express JS framework.
- Built Object Data Models with Sequelize.
- Developed authentication with Jsonwebtoken.

- Created APIs to interact with the frontend following RESTful API standards.
- Built a place to store personal files such as avatars, citizen IDs, images of contracts
- Developed the layout following the design.

### **Custom Neon Sign E-Commerce Platform**

**Vietnam**

*Fullstack Developer, Freelancer*

*06/2021*

**Description:** An e-commerce website specializing in custom neon sign sales. The platform features a tool that allows users to design personalized neon signs, process payments via PayPal, and manage automatic third-party delivery.

**Type:** Public website

**Technologies:** Wordpress, PHP, WooCommerce, Elementor

**Tools:** Github, Trello, Figma, Adobe Photoshop

**Database:** MySQL

**Responsibilities:**

- Developed website layouts according to Figma designs using Elementor.
- Implemented a custom neon sign design generator for shoppers.
- Integrated PayPal payment processing for seamless transactions.
- Automated order fulfillment through third-party delivery services.

## **EDUCATION**

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### **Duy Tan University**

**Da Nang, Viet Nam**

*Bachelor's of Science in Software Engineering, CMU program*

*06/2022*

- **GPA:** 3.4 / 4.0.
- Awarded 100% tuition scholarship.
- Graduated with good grades.