

DO TRONG KHANH

FULLSTACK ENGINEER

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SUMMARY

Motivated Full Stack Engineer with 3 years of experience in NodeJS, NestJS, and ReactJS development. Skilled in relational databases, technical documentation, and troubleshooting. Demonstrates strong teamwork, adaptability, and problem-solving abilities. An enthusiastic learner dedicated to achieving delivery goals and upholding quality standards. Aspires to become a team leader within 3 to 4 years, with a commitment to continuous improvement and hard work.

EDUCATION

UNIVERSITY OF INFORMATION TECHNOLOGY (UIT)

- 2019 – 2023 – Ho Chi Minh, Vietnam.
- Major: Computer Science
- Degree grade: Good - GPA: 8.5/10.

WORK EXPERIENCE

YouNet Media | *Fullstack Engineer*

Ho Chi Minh | 03.2023 - Now

EcomHeat | Fullstack Engineer

03.2023 - Now

Description: EcomHeat Website helps to measure the performance of the industry and players on E-Commerce platforms thru cross E-commerce channels.

Technologies:

- **Front-end:** ReactJS, Redux, Redux-Saga, Reactstrap and Bootstrap.
- **Back-end:** NodeJS, NestJS, Sequelize ORM, MySQL, MongoDB, RabbitMQ, Redis and Solr.

Accomplishments:

- Created advanced filters and APIs to export over 1 million rows of product data to Google Sheets, automating file management and using RabbitMQ for efficient data handling to reduce the data team's workload by 70%.
- Implemented HighchartsJS for data visualization, developed a UI for shop growth tracking, and built APIs for managing store data and large datasets.
- Implemented APIs for price history, set up daily monitoring and email alerts, and developed a SKU management system for Vinamilk and Enfa's pricing needs.
- Developed a scheduling system with RabbitMQ for brand metrics on large datasets, ensuring effective verification and meeting revenue goals.
- Applied a monorepo architecture with NestJS to optimize development efficiency and improve maintainability.

AppCore | Fullstack Engineer

01.2024 - Now

Description: Developed and published core NestJS packages, including DatabaseModule, CacheModule, RedisModule, ConfigModule and others on npm to accelerate development and deployment across multiple projects.

Technologies: NestJS, Sequelize ORM, MySQL, MongoDB, Redis and others.

Accomplishments:

- Designed a scalable architecture for managing connections to various database types, enhancing query performance by 25%.
- Developed advanced caching strategies that boosted application speed by 30% and minimized load times
- Created a Redis-based module for real-time data management and session storage, cutting data processing times by 20%.
- Centralized and dynamically managed environment-specific settings, reducing configuration errors by 40%.
- Increased efficiency across 3 projects by publishing reusable core packages on npm.

QKIT Software | Backend Developer

Ho Chi Minh | 01.2021 - 12.2022

Military 7A Military 7A Bidding | Backend Developer

09.2022 - 12.2022

Description: Developed a web-based system to manage and track bidding packages for medical supplies, ensuring efficient handling of package information and secure access control.

Technologies: NodeJS, NestJS, PostgreSQL, Prisma, Restful API.

Accomplishments:

- Spearheaded the project's backend architecture, including the design and implementation of a PostgreSQL database from the ground up.
- Integrated JWT-based authentication and authorization, successfully reducing unauthorized access by 70%.
- Authored and maintained comprehensive API documentation using Swagger, ensuring clear communication and ease of use for internal teams.
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QKIT Admin | Backend Developer

03.2021 - 08.2022

Description: Developed and Maintained a web app for managing company website content, including blogs, clients, and recruitment.

Technologies: NestJS, PostgreSQL, Prisma and GraphQL.

Accomplishments:

- Contributed to Agile processes and Scrum ceremonies, driving a 20% boost in project completion rates.
- Refactored legacy code, leading to a 20% improvement in system stability and runtime efficiency.
- Leveraged PostgreSQL and Prisma to enhance database management, resulting in faster and more efficient query processing.

SIDE PROJECTS

Karhdo's Blog: Built a personal blog showcasing my portfolio, code snippets, and development logs, featuring detailed insights into my development process.

Karhdo's Core: Published backend server packages on npm using NestJS, optimizing server-side operations and accelerating development efficiency.

Fusion Solar System: Automated the daily generation of reports by integrating with Huawei's Fusion Solar API. Developed a custom crawler to extract and process data, streamlining the reporting process and ensuring timely and accurate data delivery.

TECHNICAL SKILLS

Programming Languages: Javascript, TypeScript and Python.

Database: MySQL, PostgreSQL, MongoDB, Redis.

Frameworks & Libraries: NodeJS, NestJS, ReactJS, Tailwind CSS, Redux, JQuery and others.

Database Management Systems: PostgreSQL, MySQL, and MongoDB.

Tools & Platforms: Docker, Kubernetes, Git, Jira, Postman, NeoVim.

Operating Systems: Windows, MacOS.

Others: OOP, SOLID, Design Patterns, System Design.

CERTIFICATE

React - The Complete Guide (incl Hooks, React Router, Redux).

From Udemy at February 7, 2023.

Node.js, Express, MongoDB & More: The Complete Bootcamp 2022.

From Udemy at February 20, 2022.

Language : TOEIC

Score: 650+