Huynh Nhat Hao

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 https://github.com/nhathaohuynh

OBJECTIVE

I have been very focused on learning Javascript and Typescript languages. I am passionate about creating seamless user experiences and believe that simplifying code leads to more agile applications. I am good at teamwork, friendly, and easy to approach.

SKILLS

- **Programming Languages:** Javascript, Typescript, Java
- **Web Technologies:** React.js, Redux, Zustand, React Query, Express.js, Nest.js, HTML, CSS, SASS, MUI, Tailwindcss
- **Database Systems:** PostgreSQL, MongoDB, Redis, MySQL
- **Cloud Technologies:** AWS
- **Others:** OOP, Design pattern, SOLID, Docker, K8S, RabbitMQ, Microservices
- **English:** Aptis (B1)

EXPERIENCE

- **Affina** *Mar 2024 - Nov 2024*
  Website: https://affina.com.vn Ho Chi Minh, Viet Nam
  - **Position: Full-stack developer**
  - **Team size: 5**
  - **Responsibilities:**
    * Maintain and develop new UI/UX features for the insurance management system, including modules such as voucher, feedback, and reports.
    * Call APIs to fetch data from the server, process data for display to users or process data and send data to server.
    * In July 2024, I joined the Back-End Node.js team, taking responsibility for developing the API contract management system using Nest.js and MariaDB.
    * Collaborated with the back-end Java team to migrate data from the old system to the new system.
    * Worked with other teams, including the BA team and testing team, to solve problems and improve the system.
  - **Technologies:** Nest.js, MariaDB, React.js, React Query, Zustand, MantineUI, TypeScript, REST API, Git.

PROJECTS

- **Trello** *Nov 2024 - Dec 2024*
  Web app which manage task management [ ]
  - **Responsibilities:**
    * Implement JWT (JSON Web Tokens) to create both access tokens and refresh tokens.
    * Automatically refresh the access token when it expires using the refresh token.
    * Enable file uploads (e.g., images, documents) to Cloudinary for secure and efficient storage.
    * Use Redis to cache data and improve performance by reducing database load.
    * Implement rate limiting using Redis to prevent abuse of the API.
    * Implement pagination to handle large datasets efficiently by fetching data in chunks.
    * Optimize database queries by adding indexes to frequently queried fields, improving search and retrieval performance.
    * Implement logging with Winston to track events and errors across the application for better debugging and monitoring.
    * Use Redux Toolkit for efficient and easy-to-manage global state on the frontend.
    * Use the dnd-kit library to implement drag-and-drop functionality for organizing cards or elements in the UI.
  - **Technologies:** Express.js, MongoDB , Mongoose, React.js, Redux, MUI, TypeScript, REST API, Git.

- **E-commerce**   *Nov 2023 - Dec 2023*
  Web app which sells smartphones and allows customers to make payments online   [○]
  - **Responsibilities:**
    - Designed to scale system, our platform can handle an increasing load, ensuring smooth operation during peak times. Flow of my project Request -> Validation -> Route -> Controller -> Service -> Repository -> Model -> MongoDB
    - Docs API with swagger with file yaml
    - Logs System write all processing active of system (Tracking ID request)
    - Using cloud to save image: Cloudinary and dynamically resize it based on width and height, and also specify the type of image format.
    - Using technical CI/CD of github Action to EC2 and using nginx to Reserve Proxy and Pm2 to manage scaling server, add domain and SSL
    - Unit test with jest and supeer test with Postman
    - Managing state with Redux and building private and public routes with React-Router.
    - Implementing pagination, product search, cart, payment with Stripe, responsiveness, asynchronous state management with Redux-Thunk, and building admin and shopping pages.
  - **Technologies:** Express.js, MongoDB, Mongoose, React.js, Redux, Tailwindcss,Javascript, REST API, Git.
- **Point Of Sale**   *Mar 2023 - July 2023*
  Web app which supports store payment by barcode, and managers can manage employees and invoices during shifts   [○]
  - **Responsibilities:**
    - Managing state with Redux and building private and public routes with React-Router.
    - Implementing pagination, product search by category or barcode, cart, basic payment, responsiveness, asynchronous state management with Redux-Thunk, and building admin and employee pages.
    - Implementing JWT authorization, Joi validation, CORS, RESTful API design, response, and main back-end services
    - Implementing image uploads with Cloudinary and Multer, sending emails with Nodemailer splitting code, clean code.
  - **Technologies:** Express.js, Prisma, PostgreSQL, React.js, Redux, Tailwindcss, Javascript, REST API, Git.

EDUCATION

- **Ton Duc Thang University**   *2020 - 2024*
  Bachelor's degree   Ho Chi Minh, Viet Nam
  - GPA: 7.2/10.0