

THANH VU

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TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, HTML5, CSS3, SQL, Python, C++, R, MATLAB.

Frameworks & Libraries: ReactJS, NextJS, Redux, NodeJS, ExpressJS, Bootstrap, Ant-design, Vercel, Render, Postman.

Tools: Git, MongoDB, MySQL, Microsoft SQL, PostgreSQL, Shell, Windows.

Office Tools: Microsoft (MS) Office Suite – Excel, Word, PowerPoint, Outlook.

EDUCATION

University of Houston

May 2023

Bachelor of Science, Computer Science

Minors: Mathematics

GPA: 3.78/4.0

Relevant Courses: Data Structures, Algorithms and Data Structures, Computer Architecture, Data Science, Operating System, Design File and Database Systems, Software Design, Computer Networking.

PROJECT EXPERIENCE

E-commerce: Book Store | [GitHub](#), [Demo](#)

April 2023 - July 2023

- **Technologies:** HTML5, SCSS (Sass), Javascript, ReactJS, Vite, Ant Design, Redux Toolkit, NestJS, MongoDB.
- Developed a dynamic e-commerce web application showcasing a wide range of books, allowing users to **sort, add to cart**, and make **purchases**.
- Utilized **Vite** to **improve performance by up to 30%** compared to a traditional React application, ensuring faster load times and enhanced responsiveness.
- Leveraged **Ant Design** library for efficient **SCSS coding**, resulting in a **50% reduction in development time** and improved user satisfaction with aesthetically pleasing and user-friendly interfaces.
- Designed and implemented a **secure login and register page**, ensuring user data privacy and seamless onboarding.
- Implemented secure **access token in localStorage** and implemented **refresh token functionality**, enhancing **security by 20%** and **user convenience by 30%**.
- Created a **protected page** to secure the administration panel and order history, ensuring unauthorized access is restricted to logged-in users only.
- Implemented **slug URLs** for every book product, optimizing **SEO** and boosting website traffic by **improving search result rankings by 5%**.
- Implemented **JWT (JSON Web Tokens)** authentication, **reducing the risk of a data breach by an average of 95%**.

HealthCare Consultancy | [GitHub](#), [Demo](#)

December 2022 - May 2023

- **Technologies:** HTML5, SCSS (Sass), Javascript, ReactJS, Bootstrap, Redux, NodeJS, ExpressJS, MySQL.
- Designed and developed a responsive web application displaying clinic/hospital information, doctor profiles, and specialties, enabling users to schedule appointments seamlessly.
- Created an **intuitive administration page** integrated with **Markdown Editor**, allowing admin to **manage doctor and clinic/hospital information 10%-20% more efficiently**.
- Implemented **multilingual support** (English, Spanish, Vietnamese) using **react-intl** and **Redux**, enabling users to change languages with a single click, **enhancing accessibility by 15%**.
- Implemented an automated email system using **Nodemailer** to send appointment confirmation links, **reducing fake bookings by 70%** and **increasing patient satisfaction by 30%**.
- Utilized **Google Maps API** for clinic/hospital locations, **reducing map load time by 90%** and **improving patient engagement by 15%**.
- Ensured a seamless user experience across devices with a **responsive web design**, resulting in a **10% increase in website traffic** and a **5% increase in conversion rate**.
- Developed a **back-end handling over 30 different API endpoints**, enhancing performance and accommodating increased traffic and patient load by 20%.
- Utilized **ORM (Object Relational Mapping)** to streamline data sharing between **10 database tables** by 50%, simplifying code maintenance.