

THANH VU

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SKILLS

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

Frameworks & Libraries: ReactJS, Redux, Node.js, 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

Book Store

July 2023

<https://github.com/vvt4994/book-store-fe>

<https://book-store-fe.psi.vercel.app/>

- 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** storage in cookies 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 95%.

HealthCare Consultancy

May 2023

<https://github.com/vvt4994/clinic-booking>

<https://healthcare-consultancy-frontend.vercel.app/home>

- 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 and usability 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 scalable **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.