FULLSTACK JS INTERN

Email:lxbach1608@gmail.com   Linkedin:linkedin.com/in/lxbach1608   Phone:+84 0816429848

Le Xuan Bach
lxbachdev.vercel.app

EDUCATION

- **Ho Chi Minh university of Technology and Education (HCMUTE)**   HCM, VN
  Software engineer - Junior student; GPA: 3.45   *2021 - 2025*
  - **Achievement**: Maintain the 4-term scholarship of high school for gifted.

PROJECTS

- **Jewelry Store**
  Personal project   *Dec 19, 2023 - Jan 2, 2024*
  - **Description**: The E-commerce platform offers a wide selection of jewelry with UI/UX design and provides customers with a superior website experience.
    * Offering features such as color, size, category filtering, pagination, adding products to the cart, sending checkout emails, search functionality, wishlist, login authentication, promotion by category, carousel and enabling product filtering by price, color, size, and category, with the ability to combine multiple filters.
    * Utilizing Redux (with redux-persist) to preserve the cart state during customer page reloads, implementing pthe debounce technique for search functionality.
    * Employing mongoose for database retrieval, implementing JWT for server-side authentication. Establishing communication between frontend and backend through Restful API.
    * Establishing Docker, specifically Docker Compose, and the integration of Nginx for optimizing the deployment process of a website on AWS (EC2 service).
  - **Technologies**: React, JavaScript, Redux, HTML5, CSS3 (SCSS), NodeJs (Express), MongoDB
  - **Live**: jewelrystorevn.io.vn
  - **Github**:
    * Frontend: github.com/lxbach1608/Jewelry-store-react-ui
    * Backend: github.com/lxbach1608/jwelry-store-nodejs

- **E-commerce Backend Architecture (NodeJs)**
  Personal project   *Feb 9, 2024 - present*
  - **Description**: This project involves the development of a robust and scalable backend architecture for an e-commerce platform. Key features and components of the architecture include:
    * Implement a security protocol by combining RSA encryption with JSON Web Tokens (JWT) for user sign-up authentication. Build a error handler using class structures to manage and respond to errors within the API.
    * Incorporate a connection monitoring system to keep track of active connections within the system. Implement mechanisms to detect connection overload.
    * Build a dynamic middleware that allows for the validation of API keys and user permissions in real-time. Allow for dynamic adjustments based on user roles and permissions.
  - **Technologies**: NodeJs (Express), MongoDB
  - **Github**: github.com/lxbach1608/ecommerce-backend-architecture

PROGRAMMING SKILLS

- **Languages**: Javascript, Java, C#, SQL
- **Tech stacks**: React, NodeJS(Express), Docker, Tailwind, Bootstrap 5, MongoDB, MySQL
- **Source control**: Github.

LANGUAGE

- **English**