PHAN TAN DUY

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Education

CANTHO UNIVERSITY OF TECHNOLOGY   Ninh Kieu, Can Tho
Bachelor of Engineering, Information Technology.   Graduated: January 2025
GPA: 3.24/4.00.

Experience

FPT SOFTWARE   Ninh Kieu, Can Tho
Intern - COBOL to JAVA & React Migration Project   November 2024 – January 2025
Participated in a structured training program on COBOL and Mainframe systems, applying knowledge in a simulated COBOL to Java & React migration project. Worked closely with the team to complete assigned tasks, troubleshoot issues, and ensure the functionality of the mock system.

FPT SOFTWARE INNOVATION   Ninh Kieu, Can Tho
Data Processing (Data Annotation)   August 2022 - October 2023
Reviewed and annotated datasets (images, audio, video) based on client requirements. Worked as a Quality Reviewer, identifying and logging data inconsistencies or deviations from given guidelines. Collaborated with the team to optimize workflows and improve data labeling efficiency.

Personal Projects

BLOCKCHAIN-BASED STUDENT GRADE MANAGEMENT   September – December 2024
Full-Stack Developer
- Developed a web application for managing and storing student grades using blockchain technology.
- Implemented on-chain grade storage and role-based access control, integrating MySQL for managing academic data, including courses, semesters, teachers, and students.
- Designed and deployed a private blockchain with Geth, developed smart contracts in Solidity, and built backend APIs with NestJS. Created an Admin Dashboard using Next.js for efficient management.
- **Technologies used:** Next.js, NestJS, Solidity, Ethers.js, Geth, MySQL.
- **GitHub Repository:** https://github.com/ptduy14/student-grade-management-using-blockchain

LABORATORY MANAGEMENT   January – June 2024
Front-End Developer
- Developed a web application for managing university laboratory operations and resources.
- Implemented key features, including equipment tracking, chemical inventory management, laboratory scheduling, usage history, user management, and resource allocation for departments.
- Designed and built an Admin Dashboard to facilitate efficient management and monitoring.
- Collaborated with the Back-End Developer to design a relational database schema, ensuring data integrity and efficient storage.
- **Technologies used:** React.js, Next.js, NextAuth, NextUI, SWR, React Hook Form, Zod, Tailwind CSS.
- **GitHub Repository:** https://github.com/ptduy14/laboratory-management-admin

MOVIEX - AN ONLINE MOVIE WEB STREAMING   August 2024 – Present
Front-End Developer
- Developed a movie streaming platform using Next.js, allowing users to stream movies, track progress, manage favorites, comment, and view recently watched content.
- Implemented core features, including movie playback, episode selection, user authentication, and user-specific features like watch history and favorite lists.
- Completed as an individual project, utilizing self-taught skills and applying advanced NextJS concepts.
- **Technologies used:** React.js, Next.js, Tailwind CSS, Redux Toolkit, Firebase, React Hook Form, Zod.
- **GitHub Repository:** https://github.com/ptduy14/movie-web

Skills & Background Knowledge

Programming Languages: JavaScript, TypeScript, Java, SQL.
Frontend: React.js, Next.js, Tailwind CSS, NextAuth, SWR, Redux Toolkit.
Backend: Experience in designing and working with RESTful APIs; familiar with NestJS, Spring Boot.
Database Management: MySQL, MSSQL.
Tools & Platforms: Git, GitHub, Firebase, Postman, Vercel, Docker (basic).
Language: Intermediate English.