DAO DUC TAM

Software Engineer

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Projects

TRAIN MANAGEMENT SYSTEM - TEAM LEADER   *10/2024 - 12/2024*

- **Led** a team of **3**, responsible for **architectural design** and **task delegation** for the train ticket management project using **Java Swing** & **MySQL**.
- Primarily designed the **MySQL** database schema (**5+** tables) and implemented **Data Access Object (DAO)** classes using **JDBC**.
- **Delegated** development tasks for **6** core **CRUD** functional modules (Booking, Passenger/Ticket/Line/Station/User Management) to team members, covering both **GUI (Swing)** and **backend logic (OOP)**.
- **Monitored** project progress, conducted **code reviews**, and **integrated** application components. Ensured the project met all requirements.
- Technologies: Java Swing, JDBC, MySQL, OOP.

PORTFOLIE   *10/2025-now*

- Designed and developed a personal portfolio website to showcase skills and completed projects.
- Built the complete **UI** using **React** and **TypeScript**, applying a **component-based architecture**.
- Utilized **Tailwind CSS** for efficient **responsive design** and interface customization.
- **Deployed** the website using **GitHub Pages** for easy access and sharing.
- Technologies: React, TypeScript, Tailwind CSS, GitHub Pages.

HOSPITAL MANAGEMENT SYSTEM - TEAM LEADER   *9/2025-now*

- **Led** a team of **4**, responsible for architectural design and end-to-end development of the hospital management system.
- Designed the backend **microservices architecture** (**7 services**: User, Profile, Appointment, Pharmacy, Media, Gateway, Eureka) using **Java Spring Boot/Cloud, JPA, Spring Security (JWT)**.
- Designed and directed the development of the **frontend SPA** (Single-Page Application) using **React, TypeScript, Tailwind CSS, and Redux Toolkit**.
- Assigned development tasks for both frontend components and backend REST APIs **(30+)**, covering core modules (Patient/Doctor Management, Appointments, Pharmacy, Authentication, etc.).
- Managed tasks, conducted code reviews, and handled frontend-backend integration, ensuring a cohesive system that met business requirements.
- Technologies: Java Spring Boot/Cloud, React, TypeScript, Tailwind CSS, MySQL, Docker.

Education

Hanoi University of Industry   *Vietnam*

B.S. IN SOFTWARE ENGINEERING   *Aug. 2023 - Aug. 2027*

- GPA: 3.39/4.0

Skills

- **Programming languages**: Python , Java, Javascript, C++.
- **Technologies**: Kafka, Redis, Mysql, Spring Boot, React.
- **Others**: Git, Linux, Docker.