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About me

I am a software engineer with experience in backend development using C#, Flutter, and ReactJS. Passionate about algorithmic problem-solving and competitive programming since high school. I enjoy building scalable systems and optimizing performance.

Educations

FPT HCM University   *2020 – 2024*
- *Bachelor of information technology - GPA 8.0/10*
- 100% scholarship

Nguyen Du High School for Gifted Students   *2017 - 2020*
- The national informatics team of Dak Lak province
- *Honorable mention for the Informatics in the 2020 National High School*

Awards & Achievements

- *Third Prize for the 2023 ICPC Vietnam Southern Programming Contest*
- *Honorable Mention for the 2021 ICPC Vietnam National*
- *Honorable Mention for the Informatics in the 2020 National High School*

Work Experience

FPT Software - Aloka team   *2024*
- ***Team size**: 21 members.*
- ***Description**: Developed software for ultrasound and medical imaging analysis, focusing on measurement.*
- ***Tech Stack**: C++, WPF, ASP.NET*
- ***Responsibilities**:*
  - **Implemented measurement** and annotation tools for vascular analysis (blood flow, vessel size, wall thickness).
  - **Optimized data processing** by moving heavy I/O operations off the UI thread, reducing startup delays and improving responsiveness.
  - **Optimized and restructured API response** formats to meet specific application or client requirements, ensuring efficient data delivery and seamless integration with frontend systems.

Skills

- **Backend**: Proficient in **C#**, **ASP.NET, Entity Framework** and **RESTful API**. Familiar with **Redis** and **SignalR (Websocket)**. Understanding of **SOLID principles** and design patterns. Basic knowledge of **API Gateway (Kong)** and **Message Queue (RabbitMQ)**.

- **Database**: Proficient in **PostgreSQL**, **SQLServer** (query optimization, schema design).

- **Mobile**: Proficient in **Flutter** using **Bloc, GetX** and **Firebase** (push notifications, background tasks).

- **Frontend**: Familiar with **Reactjs**, **TypeScript**, **TailwindCSS**, **MaterialUI, Zustand**. Basic knowledge of **Nextjs, Electronjs.**

- **Problem-Solving:** Proficient in **C/C++, Python**, with a strong foundation in dynamic programming, graph theory, algorithms, and data structures, especially for competitive programming.

- **DevOps & Tools:** Familiar with **Docker**, **Nginx**, **Jira**, **GitHub Actions**, and **CI/CD** pipelines.

- **English:** *TOEIC 745*, Fluent communication.

- **Others:** Basic knowledge of **Figma, Photoshop** (UI/UX design and prototyping).

Highlight Projects

Huynh Hanh Financial Management System *(Freelance Project)*   *08/2024 – 02/2025*

- o **Description:** Developed a web application to optimize agricultural operations, from crop management to large-scale weighing and export processes.

- o **Tech Stack:** ASP.NET, React.js, Electron.js, PhoBERT, Material UI, Tailwind CSS, Docker, Nginx.

- o **Responsibilities:**

  - o **AI Chatbot & Marketing Page:** Developed a marketing landing page with an AI-powered chatbot using PhoBERT model to assist customers.
  - o **Weighing System:** Built an admin panel to monitor truck weighing via web serial api, store data, print receipts, and export reports.
  - o **Crop Lifecycle Management:** Tracked crop schedules (sowing, fertilizing, harvesting) and visualized planting areas using 3D GPS mapping.

- o **Source:** *Website* | *Github*

SmartMicro – IoT Platform for Smart Home Management   *02/2024 – 04/2024*

- o **Description:** Developed an IoT platform for managing smart home devices (using the MicroBit device by Microsoft), enabling users to control and monitor devices via Bluetooth and Wi-Fi. Features include real-time charts, voice interactions, and ChatGPT API integration for AI-powered home control.

- o **Responsibilities:**

  - o Built a mobile app using Flutter with GetX for state management.
  - o Connected to BLE devices via GATT and UART protocols to control devices such as lights and doors via Bluetooth.
  - o Integrated SignalR for real-time data updates and chart displays.
  - o Implemented voice interaction using Flutter TTS and OpenAI API for executing simple commands like turning lights on/off or locking/unlocking doors.

- o **Tech Stack:** Flutter, ASP.NET

- o **Source:** *Github*

Jine Blog   *04/2024 – 06/2024*

- o **Description:** My blog shares knowledge about algorithm, data structure, information technology, lifestyle, and other interesting aspects of life.

- o **Main Topics:** Programming, technology, personal development, lifestyle.

- o **Tech Stack:** Reactjs, Tailwindcss, Docker, Nginx.

- o **Source:** *Website* | *Github*

Ut Nhan Pharmacy Inventory Management System   *02/2024 – 10/2024*

- o **Description:** Developed a pharmacy inventory management system for **Ut Nhan** Pharmacy chain, focusing on enhancing warehouse operations efficiency and optimizing inventory management.

- o **Responsibilities:**

  - o Built a Flutter mobile app for inventory management, supporting product import/export and barcode scanning.
  - o Implemented basic CRUD operations using ASP.NET and collaborated with the team on advanced backend features.

- o **Tech Stack:** ASP.Net, React, MedusaUI, Flutter.

- o **Source:** *Github* (Private Repos)