

Nguyen Manh Hung

Software Engineer

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jine.blog

About me

I am a recent Software Engineering graduate specializing in software development with expertise in C#, Typescript and Dart. I have hands-on experience with backend architectures, including design, API management. I am familiar with Agile and Waterfall methodologies. A quick learner with strong problem-solving skills, I am passionate about algorithm and tackling real-world challenges and eager to contribute to an innovative team.

Skills

Educations

FPT HCM University

Sep 2020 - Nov 2024

- Bachelor of information technology - GPA 8.0/10
- 100% scholarship

Nguyen Du High School for Gifted Students

Sep 2017 - May 2020

- The national informatics team of Dak Lak province
- Honorable mention for the Informatics in the 2020 National High School
- The second think
- **Language:** C#, C/C++, Dart, TypeScript, HTML/CSS
- **Framework:** ASP.NET, Flutter, Reactjs, Tailwindcss
- **Database:** SQL Server, PostgreSQL, Firebase
- **Other:** Algorithm, Data structure, Jira, Docker, Git/Github, Redis

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

Jun 2023 - Feb 2024

- **Team size:** 21 members.
- **Description:** Specializes in calculation software in ultrasound and medical machines, performing calculation measurements, drawing images directly from multiple MODES of image display obtained from broadcasting equipment.
- **Techs:** Native C++, WPF, ASP.NET
- **Designed and implemented functionality to draw points and lines, measure, and analyze vascular parameters** (e.g., blood flow, vessel size, wall thickness, flow velocity) to assist in diagnosing medical conditions.
- **Investigated and resolved startup delays** caused by the initial data loading and processing from XML files. The issue stemmed from I/O-bound operations being executed on the UI thread, leading to rendering delays. Ensured that UI buttons dependent on data remained disabled until the data was fully loaded and enabled them upon completion.
- **Optimized and restructured API response formats** to meet specific application or client requirements, ensuring efficient data delivery and seamless integration with frontend systems.

Highlight Projects

Huynh Hanh Financial Management System

Sep 2024 – Nov 2024

- **Description:** Developed software for managing the weighing station at an agricultural product warehouse, recording truck weighing data through COM port and capturing images.
- The software analyzes images to identify vehicle variables and stores data for generating weighing slips or reports.
- **Techs Stack:** ASP.Net, Reactjs, Electronjs, Material UI, Tailwindcss, Docker, Nginx, Redis.
- Responsibility
- **Source:** [Website](#) [Github](#)

Jine Blog

Jun 2024 – Present

- **Description:** My blog shares knowledge about algorithm, data structure, information technology, lifestyle, and other interesting aspects of life.
- **Main Topics:** Programming, technology, personal development, lifestyle.
- **Source:** [Website](#) [Github](#)
- **Techs Stack:** Reactjs, Tailwindcss, Docker, Nginx.
- **Role:** Sharing knowledge, experience in the IT field and perspectives on life.

Ut Nhan Pharmacy Inventory Management System

Jan 2024 – Sep 2024

- **Description:** Developed a pharmacy inventory management system for Ut Nhan Pharmacy chain, focusing on enhancing warehouse operations efficiency and optimizing inventory management.
- **Techs Stack:** ASP.Net, React, MedusaUI, Flutter.
- **Source:** [Demo](#) [Github](#) (Private repositories due to company contract)
- **Role:** ASP.NET + Flutter, Collaborating with a team of five members and stakeholders to implement and refine inventory export/import flows.

Licenses & certifications

- [Coursera - User Experience Research and Design](#)
- [Coursera - Project Management Principles and Practices](#)
- [Coursera - Software Development Lifecycle](#)
- [Coursera - Computer Communications](#)