

# Nguyen Manh Hung

## Software Engineer

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jine.blog

## About me

I am on a journey to sharpen my skills, unafraid of difficult challenges to achieve breakthroughs, my immediate aim is to become a Principal Software Engineer, while my long-term goal is to **never stop learning**.

## Skills

- 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

## 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

## Awards & Achievements

- Third Prize for the 2023 ICPC Vietnam Southern Programming Contest
- Excellent Student at FPT University HCM in the summer semester 2022
- 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.

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## 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.
- **Main Techs:** ASP.Net, Reactjs, Electronjs, Material UI, Tailwindcss, Docker, Nginx, Redis.
- **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](#)
- **Technologies:** 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.
- **Main Techs:** 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.

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## Licenses & certifications

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