NM

Nguyen Manh Hung

SOFTWARE ENGINEER

⊗ CONTACT

E nmhung.works@gmail.com
A Ho Chi Minh City, Vietnam
P +84 947 339 718
L linkedin.com/in/jiner-genkai
G github.com/jinergenkai

↶ EDUCATION

BACHELOR DEGREE

FPT University HCMC

Information Technology

2020 - 2024 • GPA 8.0/10

GIFTED PROGRAM

Nguyen Du High School

Informatics

2017 - 2020

↶ SKILLS

BACKEND

- Java & Spring Boot
- C# & ASP.NET Core
- RESTful API Design
- Maven & Microservices

TESTING & CI/CD

- Robot Framework
- JUnit & Integration Tests
- Jenkins Pipelines
- GitHub Actions

FRONTEND

♲ PROFILE

Software Engineer with 1.5+ years of experience specializing in enterprise Java development and test automation. Currently at Nokia developing Fixed Network Management Systems using Spring Boot, Angular, and Robot Framework. Strong background in competitive programming with expertise in building scalable backend systems, RESTful APIs, and CI/CD pipelines. ICPC medalist with proven track record in optimizing system performance and delivering high-quality software solutions.

↶ EXPERIENCE

SOFTWARE ENGINEER - FNMS TEAM   *Apr 2024 - Present*

Nokia | Ho Chi Minh City

Developed Fixed Network Management System (FNMS) for optical network device management using enterprise Java technologies. Led implementation of device software upgrade campaigns and automated testing infrastructure.

- Built comprehensive REST API endpoints for software campaign management using Spring Boot microservices with proper error handling, logging, and validation
- Implemented device software upgrade features with retry mechanisms and timeout handling for NT/LT board reachability verification across distributed network infrastructure
- Automated testing workflows using Robot Framework achieving 200+ test cases with 85% code coverage, reducing manual testing effort by 70%
- Optimized Jenkins CI/CD pipelines reducing build time by 30% through Maven caching strategies and parallel execution across multiple test suites
- Integrated XGBoost ML model with n8n workflows for automated test failure pattern detection and root cause analysis
- Collaborated with cross-functional teams using Agile methodologies, participating in sprint planning, daily standups, and code reviews

Tech Stack: Java, Spring Boot, Angular, Robot Framework, Maven, Kubernetes, Jenkins, PostgreSQL

SOFTWARE ENGINEER - ALOKA TEAM   *Aug 2023 - Apr 2024*

FPT Software | Ho Chi Minh City

Developed medical imaging software for ultrasound analysis focusing on vascular measurement tools and performance optimization.

- Angular & React.js
- TypeScript
- Flutter Mobile
- TailwindCSS

DEVOPS & TOOLS

- Kubernetes & Docker
- PostgreSQL & Redis
- Git & Version Control
- Kong API Gateway

ALGORITHMS

- Competitive Programming
- Dynamic Programming
- Graph Theory
- Data Structures

↰ AWARDS

- **ICPC 2023** - Third Prize
  Vietnam Southern Region
- **Meta Hacker Cup 2024**
  Round 2 - Top 12% Global
- **ICPC 2021** - Honorable Mention
  Vietnam National
- **National High School 2020**
  Informatics - Honorable Mention

- Implemented measurement and annotation features for blood flow analysis, vessel sizing, and wall thickness detection in medical imaging applications
- Optimized application performance by offloading heavy I/O operations from UI thread, reducing startup time by 40% and improving responsiveness
- Restructured API response formats to meet specific client requirements, ensuring efficient data delivery and seamless frontend integration

Tech Stack: C++, C#, WPF, ASP.NET Core

↰ SELECTED PROJECTS

- **Huynh Hanh Financial Management**   *Aug 2024 - Feb 2025*

  - Full-stack agricultural operations platform with AI chatbot integration using PhoBERT for Vietnamese NLP
  - Built real-time truck weighing system with Web Serial API, data storage, receipt printing, and report export
  - Developed crop lifecycle management with 3D GPS visualization for planting area tracking

  ASP.NET Core, React.js, Electron.js, Material UI, Docker

- **SmartMicro IoT Platform**   *Feb 2024 - Apr 2024*

  - Mobile IoT platform for smart home device management with voice control capabilities
  - Connected BLE devices via GATT/UART protocols for real-time device control
  - Integrated OpenAI API with Flutter TTS for voice-activated home automation

  Flutter, GetX, ASP.NET Core, SignalR, OpenAI API

Portfolio: jine.blog • Updated December 2024