

# Nguyễn Thương Quyền

Junior Fullstack Developer

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## EDUCATION

Samsung Innovation Campus 2023.10 - 2024.12

Big Data

FPT University Hanoi 2022.09 - PRESENT

Software Engineering

HUS High School for Gifted Students 2019.09 - 2022.05

Chemistry

## WORK EXPERIENCE

POSitive 2025.04 - PRESENT

### Founder & Lead Developer

Founded and led the development of POSitive, a Point of Sale (POS) solution backed by FPT University to empower small and medium-sized enterprises (SMEs) in Vietnam. I architected a comprehensive platform to digitize and streamline business operations, successfully tackling key market challenges including manual inventory management, slow payment processing, and complex e-invoicing compliance: Demo

- Architected a dual-component system with a responsive Vue.js frontend for the sales interface and a robust Laravel backend for the admin portal.
- Engineered a high-speed payment module supporting multiple methods (QR Code, cash) and automated the generation of legally compliant electronic invoices.
- Reduced hardware costs for businesses by implementing a barcode scanning feature that utilizes the device's built-in camera.
- Developed real-time inventory and product management systems to provide owners with instant operational oversight.
- Built an intuitive admin dashboard featuring visual revenue reports, customer relationship management (CRM), and staff access controls.

TDA Global 2025.03 - 2025.09

### Junior Fullstack Developer

- Develop business tools for internal company use:
  - End-to-end system for POD product image rendering: Mockup Automation
  - Paypal management tools
  - Internal Workspace for TDA Global: Set up and managed a company-wide workspace on a Network-Attached Storage (NAS) system, handling centralized file storage, internal email, and other services: TDA Cloud
  - Developed and maintained AI systems using Retrieval-Augmented Generation (RAG).
  - Built and updated AI workflows leveraging ComfyUI for model orchestration and experimentation.
- Develop Web and Mobile apps:
  - NFCite: A website that lets businesses create interactive web pages linked to NFC tags and QR codes using a visual drag-and-drop builder.
  - Biểu đồ giá vàng: A mobile app providing real-time gold price data.

MegaAds Software Technology and Online Advertising Joint Stock Company 2024.08 - 2025.01

Fresher Fullstack Developer

- Maintain, update source code of several E-commerce or POD platforms:
  - printerval.com (83.2K visits)
  - chiaki.vn (1.6M visits)
  - nhathuocsuckhoe.com (7.8K visits)
  - vuahanghieu.com (858.5K visits)
  - thegioigiay.com
  - customyourprint.com
- Develop development tools for internal company use
- Mainly use Laravel, ExpressJS and AngularJS

KIS Vietnam Creative Co., LTD

2024.02 - 2024.08

Collaborator Unity Developer

- Develop 2D casual games using Unity engine:
- Seafood Merge (1K downloads)

Chillin’ Studio

2023.05 - 2024.01

Unity Developer & Co-founder

- Develop 2D casual games using Unity engine:
- Wonder World

Vietnam Robotics Challenge - FPT University

2023.05 - 2023.09

Technical Mentor

- Mentoring high school students in understanding the concept of Arduino-based machines
- Provide technical support in mechanical designing& programming using C++/Tinker Cad

HONORS & AWARDS

Consolation Prize - JS Club Codecipher

2025

Runner-up - JS Club Algorithm Arena 6.0

2025

Consolation Prize - FPT Education Research Festival

2024

Consolation Prize - JS Club Coding Inspiration

2023

PROJECTS

ToySharing

2025.11 - 2025.11

Solo developer

**Project description:** A simple toy-sharing system, final project for PRN232 course at FPT University  
**Technologies:** ASP .NET, AngularJS  
**Responsibilities:** System design, full-stack development  
**Github:** makecolour/FinalProject

EchoWave

2024.11 - 2024.11

Solo developer

**Description:** A production-ready messaging platform designed for horizontal scalability using PM2 clustering.  
**Key Engineering:** Implemented Redis Pub/Sub to handle message broadcasting across multiple server clusters, ensuring reliable delivery in high-traffic scenarios.  
**Features:** Built a companion Android app and a web interface (AngularJS) supporting offline message persistence and automatic device management.  
**Tech:** Node.js, Express, Socket.IO, Redis, MySQL, AngularJS.

**Github:** makecolour/EchoWave  
**Link:** <https://echowave.positive.io.vn/chat>

Voyagenius

2025.10 - 2025.11

Backend developer, system designer

National Finalist, NAVER Vietnam AI Hackathon

**Role:** Sole backend developer orchestrating the system for the National Finals.

**Architecture:** Designed a service mesh integrating 8+ NAVER Cloud services (Maps, Clova OCR, Papago, Green-Eye) with Amadeus GDS for real-time travel booking.

**AI Agent:** Engineered a context-aware AI workflow allowing users to plan trips via natural language, utilizing RAG systems to fetch live travel data.

**Team size:** 4

**Tech:** Laravel 12, Sanctum, Redis, OpenAPI, Docker.

**Link:** <https://travel-naver-client-ofpw.vercel.app>

Smart To-Do List

2025.09 - 2025.09

Solo developer

NAVER Vietnam AI Hackathon – Preliminary Round Qualifier

**Description:** An intelligent, procrastination-aware task manager that qualified the team for the National Finals.

**AI Features:** Integrated OpenAI GPT-4 to analyze user habits, assigning a "procrastination score" (0.0-9.9) and suggesting behavioral interventions.

**Real-time:** Utilized Pusher and Redis for instant cross-device synchronization and Pomodoro session tracking.

**Tech:** React 19, Laravel, TailwindCSS, OpenAI API.

**Link:** <https://web-track-naver-vietnam-ai-hackatho-ecru.vercel.app>

Clowndinary

2025.08 - 2025.09

Solo developer

**Project description:** A web application to simplify media uploads to the multiple CDN platforms through a clean, user-friendly interface.

**Customers:** TDA Global

**Technologies:** ExpressJS

**Responsibilities:** System design, full-stack development, Cloundinary and Bunny Storage API integration.

**Github:** makecolour/Clowndinary

Trust Management System

2024.05 - 2024.08

Researcher, fullstack developer

**Project description:** Developed based on the research document "A Novel Approach of Reputation Trust Metric Based on Knowledge Graph Combined with Large Language Model for Improving Trust Worthiness Calculation on Social Networks" to visualize and provide results from the research process. Consists of a web application and a Chromium extension for Facebook.

**Team size:** 3

**Technologies:** Maven, Java SpringBoot, ChromeAPIs

**Github:** makecolour/TrustScore - makecolour/TrustScoreExtension

Develop research tools and Trust Management System to bring our research to industry environment

Knowledge Revising System

2024.04 - 2024.07

Leader, fullstack developer

**Project description:** An MVC web app to manage learning materials and learning activities, help teachers and students can interact in many different ways

**Team size:** 3

**Technologies:** Java Springboot, Maven

**Github:** makecolour/KnowledgeRevisingSystem

Managing the project and members, database & system designing, document writing, fullstack developing

FU-Autokit

2024.01 - 2024.09

Solo developer

**Project description:** An extension for FPT University’s students to automating user interactions on several websites

**Customers:** ~50 students from FPTU

**Technologies:** ChromeAPIs, jQuery, client sided JavaScripts

**Github:** makecolour/FU-Autokit

SKILLS

|                       |                                                                          |
|-----------------------|--------------------------------------------------------------------------|
| Languages             | English (IELTS 6.5 – CEFR B2)<br>Japanese (Elementary – JPD113 & JPD123) |
| Programming languages | PHP, JavaScript/TypeScript, Java, C#, HTML/CSS,...                       |
| Frameworks            | Laravel, .NET, SpringBoot, Vue, React, AngularJS, Unity, Cocos,...       |
| Databases             | MySQL, MongoDB, SQL Server, Redis,...                                    |
| Others                | Amazon Web Services, Git, ChromeAPIs,...                                 |

CERTIFICATIONS

|                                                                                       |      |
|---------------------------------------------------------------------------------------|------|
| User Experience Research and Design - University of Michigan                          | 2025 |
| Project Management Project - University of California, Irvine                         | 2025 |
| Certified Ethical Emerging Technologist - CertNexus                                   | 2024 |
| Software Development Lifecycle - University of Minnesota                              | 2024 |
| Web Design for Everybody: Basics of Web Development & Coding - University of Michigan | 2023 |
| Computer Communications - University of Colorado System                               | 2023 |

ACTIVITIES

|                                                                                                                                |                   |
|--------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Vietnam VEX Robotics National Championship                                                                                     | 2024.01 - 2024.01 |
| Volunteer                                                                                                                      |                   |
| Responsible for ensuring a smooth and efficient competition flow and maintaining a professional demeanor throughout the event. |                   |
| Algorithm Arena 4.0                                                                                                            | 2022.12 - 2023.03 |
| Vice Head Organizer                                                                                                            |                   |
| o Prestigious event that showcases the skills and talents of programmers.                                                      |                   |
| o Organizer of the 4th annual competitive programming contest of JS Club .                                                     |                   |