

**Võ Công Nam**  
**Front-End Developer Fresher**  
VietNam  
Vietnamese – Male  
17 January 2001

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## Summary

- Motivated Front-End Developer with hands-on experience in building responsive, data-driven web interfaces using ReactJS and modern UI frameworks.
- Strong ability to translate design concepts into interactive and user-friendly applications.
- Passionate about frontend development, with a growing understanding of backend technologies.
- Aiming to progress toward a Fullstack Developer role.

## Career Objective

- Grow as a Front-End Developer with strong foundations in React and JavaScript.
- Gain real-world experience in professional software environments.
- Expand backend knowledge toward a Fullstack path.

## Education & Qualifications

**Nong Lam University – Ho Chi Minh**  
**Bachelor of Information Systems** - Oct 2021 – Agust 2025

## Skills

- Problem solving and logical thinking
- Teamwork and independent work
- UI/UX and responsive design
- Fast learner and proactive

## Technical Skills

- Frontend: HTML, CSS, SCSS, JavaScript, TypeScript, ReactJS, Redux Toolkit, Tailwind CSS, Bootstrap, Ant Design
- Backend: Node.js, Express, PHP, Python, MySQL, Supabase.
- Tools: Git, GitHub, Vercel, VS Code, Figma.

## Work Experience

*GIS Desktop Tool Development*

**Institute of Information Technology- Ministry of National Defense** – Oct 2024 – Jan 2025

- Implemented a desktop GIS utility (QGIS Python + PyQt5) to load MapInfo (.tab) files and shapefiles into a QGIS canvas, manage and render custom symbol definitions stored as XML, and export symbol data from Microsoft Access (.mdb) into XML.

- Developed a desktop GIS utility using QGIS Python API and PyQt5 to load and visualize MapInfo (.tab) files and shapefiles on QGIS canvas.
- Implemented multi-file MapInfo loader with layer validation, error handling, and automatic zoom to layer extents.
- Built an integrated symbol management GUI (menus, toolbars, dock widgets) interacting directly with QgsMapCanvas.
- Designed and implemented symbol import/export pipeline, converting symbol data from Microsoft Access (.mdb) to reusable XML format using pyodbc.
- Parsed and rendered XML-based custom symbols into vector images using ElementTree + Pillow (PIL) and displayed them in a symbol gallery.
- Developed interactive map tools using custom QgsMapTool, enabling symbol placement and movement on the map canvas.
- Improved UX by providing symbol preview gallery, context menus, and in-canvas visual feedback.
- Applied modular design to separate symbol storage, parsing, and rendering logic for maintainability.
- Proposed refactoring into a QGIS plugin for wider deployment and easier reuse.
- Tech Stack: Python 3, PyQt5, QGIS Python API (qgis.core, qgis.gui), Pillow (PIL), xml.etree.ElementTree, pyodbc, MapInfo/OGR Driver.

## Projects

### E-Commerce Website – Cake & Tea Store

- Developed a full-stack e-commerce platform for selling tea and bakery products.
- Implemented an AI-based product recommendation system using Python (TF-IDF, Cosine Similarity).
- Built an admin dashboard for product, order management and business analytics.
- Designed secure authentication and role-based authorization system.
- Developed responsive, mobile-friendly UI using Bootstrap 4 and Tailwind CSS.
- Designed and managed MySQL database schema, optimized with prepared statements.
- Applied security practices including password hashing, CSRF protection, and SQL injection prevention.
- Tech Stack: PHP, MySQL, JavaScript, jQuery, Bootstrap, Tailwind CSS, Python (scikit-learn), HTML5, CSS3.

### Portfolio Website

- Developed a modern, interactive personal portfolio website to showcase projects, skills, work experience, and certifications
- Built responsive UI using React 18 with component-based architecture and performance optimization using React.memo.
- Implemented smooth animations and transitions using Framer Motion, AOS, and GSAP to enhance user experience.
- Developed project showcase with filtering functionality using Material UI Tabs and swipe interactions.
- Built work experience timeline component with responsive layout for desktop and mobile.
- Implemented contact form using FormSubmit API with SweetAlert2 for user feedback.
- Integrated Supabase (PostgreSQL) to manage dynamic data (projects, certificates, comments) with real-time updates.
- Optimized performance using lazy loading and efficient CSS animations.
- Configured build process and deployed the application on Vercel.
- Tech Stack: React 18, React Router DOM, Tailwind CSS, Material UI, Framer Motion, AOS, GSAP, Supabase, Axios, Vite, JavaScript, HTML5, CSS3.

### Crypto Trading & Analytics Platform (In Progress)

- Developed a full-stack cryptocurrency trading and analytics platform for real-time price tracking, portfolio management, and market analysis.
- Integrated CoinGecko API to fetch live crypto prices, global market statistics, and historical data for 2000+ cryptocurrencies.

- Implemented JWT-based authentication with access/refresh tokens, secure HttpOnly cookies, and automatic session renewal.
- Built a virtual trading system with simulated buy/sell functionality and portfolio performance dashboard
- Designed advanced client-side caching strategy with smart cache invalidation to handle API rate limits and improve performance.
- Implemented dynamic auto-refresh mechanism with tab inactivity detection and exponential backoff on API failures.
- Developed price alert system with threshold-based notifications for buy/sell signals.
- Built interactive data visualizations using Chart.js with multiple timeframes (1D, 7D, 30D, 1Y, All).
- Designed multi-page application including Market, Coin Detail, Portfolio, and News pages.
- Applied security best practices: rate limiting, Helmet.js, CORS configuration, input validation.
- Implemented dark/light theme system with persistent user preferences.
- Deployed responsive, mobile-first UI using Tailwind CSS.
- Tech Stack: React 18, Redux Toolkit, React Router v6, Tailwind CSS, Radix UI, Chart.js, Axios, Node.js, Express.js, JWT, bcryptjs, CoinGecko API.