

NGUYEN MANH PHU QUY

Full-stack Developer

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nguyenquyportfolio.vercel.app

PROFESSIONAL SUMMARY

Full-stack Developer with a Bachelor's degree in Computer Science from HCMUT and hands-on experience in both frontend and backend development. Proficient in Node.js, Express.js, ReactJS, TypeScript, and SQL databases (PostgreSQL, MySQL). Experienced in designing RESTful APIs, implementing authentication and security measures, optimizing system performance, and supporting the full application lifecycle. Proactive in researching new technologies and collaborating effectively within cross-functional teams to deliver high-quality products.

TECHNICAL SKILLS

- Backend:** Node.js, Express.js, RESTful API Design & Development
- Frontend:** ReactJS (Hooks, Context API), Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3
- Database:** PostgreSQL, MySQL, SQL query optimization, schema design, performance tuning
- Security:** JWT authentication, Role-Based Access Control (RBAC), web application security fundamentals
- Testing:** Jest, React Testing Library (Unit Test, UI Test)
- Tools & Workflow:** Git (GitHub), Postman, NPM/Vite, Agile/Scrum, AI tools (ChatGPT, GitHub Copilot)

EDUCATION

Bachelor of Computer Science (English Program)

Ho Chi Minh City University of Technology | Ho Chi Minh City, Vietnam

Sep 2020 – Nov 2024 | GPA: 3.2 / 4.0

WORK EXPERIENCE

Technology and Product Division Staff

CT Group | Ho Chi Minh City, Vietnam

Sep 2025 – Feb 2026

- Collaborated with cross-functional teams to analyze project requirements, design system architecture, and produce technical documentation for UAV data platforms.
- Developed and maintained fullstack data ingestion workflows with visualization layers
- Optimized interaction flows and system observability for large datasets, reducing user-reported issues by 40%.

Front-end Developer Intern

TMA Solutions - Ho Chi Minh City, Vietnam

Sep 2023 – Dec 2023

- Engineered high-performance components, achieving a 30% reduction in page load times through code optimization.
- Developed 20+ Unit Tests using Jest to ensure system stability and prevent regressions in production.
- Collaborated with backend engineers to integrate RESTful APIs, ensuring consistent data handling between client and server.

PROJECTS

Digital-E System – Full-stack E-commerce Platform

Jun 2024 – Oct 2024 (Completed; maintenance through Oct 2025)

Live Demo: digital-e.vercel.app | **GitHub:** github.com/memories-quy-2002/digital-e-shop

Tech: ReactJS, TypeScript, Node.js, Express.js, PostgreSQL, Jest, Vercel

- Designed and delivered a production-ready full-stack web application using React, Node.js, and PostgreSQL.
- Built 20+ RESTful APIs with performance and reliability; optimized queries to reduce response time (200ms to 150ms).
- Applied automated testing (Jest) and API validation to support stable deployments and iterative evolution.

Food Recipes Platform - Web Application

Sep 2023 – Dec 2023

GitHub: github.com/memories-quy-2002/Food-recipes

Tech: ReactJS, TypeScript, Node.js, Express.js, MySQL

- Designed and developed both backend APIs and frontend interfaces for recipe search, creation, and sharing features.
- Implemented authentication and role-based access control.
- Wrote 30+ unit tests with Jest to improve code reliability and maintainability.

CERTIFICATIONS

- Meta** – Back-end Developer Professional Certificate, Front-end Developer Professional Certificate
- IELTS** – Band 6.5 Certificate (Issued June 2022)