

Nguyen Minh Quan

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Summary

Final-year Software Engineering student at FPT University (graduating September 2026) with 8 months of experience as a Frontend Developer Intern at FPT Software. Focused on full-stack JavaScript/TypeScript development with Node.js and Express, supported by hands-on fullstack work. Experienced in delivering real business systems — a custom ERP for a steel manufacturer and a full-featured restaurant management platform — covering REST APIs, MongoDB/SQL databases, authentication, and real-time features.

Skills

- **Core Languages:** JavaScript, TypeScript
- **Backend:** Node.js, Express.js, RESTful API, Socket.io, JWT, OAuth2
- **Frontend:** Angular, ReactJS, Next.js, Tailwind CSS, Ant Design, Bootstrap
- **Databases:** PostgreSQL, MongoDB, MySQL, SQL Server
- **Platforms & Tools:** Odoo 17, Git, GitLab, Figma, Cloudinary, VNPay, Agile/Scrum
- **Additional Knowledge:** Java, Python

Experience

Frontend Developer Intern — FPT Software (QAI Unit)

May 2025 – Dec 2025

Internal projects — product names and domains withheld under confidentiality.

- Built the QAI unit's **internal news portal** in **Angular**: developed display components, integrated REST APIs, and optimized the responsive layout.
- **Developed and maintained device-management screens** in **ReactJS**; handled forms, API data, and UI/logic bug fixing during operation.
- **Developed management and monitoring screens** for the unit's AI platform in **Angular**; added new features, handled application state, and improved user experience.
- **Redesigned and refactored the UI** of an online guitar-teaching platform (e-learning, music-arrangement sharing) in **Angular**.
- Collaborated with **Backend, BA, and Testers**; took part in code reviews and the team's Agile/Scrum workflow.
- **Reference:** available upon request.

Projects

Dai Linh ERP — Custom ERP for an Iron & Steel Manufacturing Company

Private repo

Role: Business Analyst & Fullstack Developer | Odoo 17, Python, PostgreSQL, OWL, XML

- **Business analysis:** studied the quotation–production workflow, gathered requirements, and designed the business flows and data model for the system.
- **Quotation module:** built automated quotations from Bill of Materials (BOM) with parametric pricing and a multi-level conditional approval workflow with SLA tracking.
- **Warehouse & Production Order modules:** developed material-inventory management and created/tracked manufacturing orders distributed across workshops.
- Designed the **PostgreSQL data model** and role-based access (CEO, Admin/IT, Sales/BA, Technical).
- Built **OWL interfaces** for pricing configuration, approval lists, and business dashboards.

Restaurant Management System (WDP301)

GitHub

Node.js, Express.js, MongoDB (Mongoose), Socket.io, JWT, Next.js (React), Ant Design, Tailwind CSS, VNPay

- Built a **full-stack restaurant management platform**: menu, order, table, and reservation management with role-based access for admin, staff, and customers.
- Developed **REST APIs** with Express and MongoDB; implemented JWT authentication and bcrypt password hashing.
- Integrated **real-time order/table updates** (Socket.io), **online payment** (VNPay), image uploads (Cloudinary), and email notifications (Nodemailer).
- Implemented reporting/export features (Excel/PDF) and a responsive admin dashboard.

Knowledge Review System

GitHub

Java (JSP, Servlet), MySQL, JavaScript, HTML/CSS, Bootstrap, OAuth2, Ajax

- Built a **learning & knowledge-review platform** using flashcards, question banks, tests, and quizzes, with classroom and user management.
- Integrated **Google OAuth2** for login and token management (configured the OAuth Client ID on Google Cloud Console).
- Implemented **role-based access** for Admin, Training Manager, Teacher, and Student roles.
- Designed the database, ensured data integrity, and built a responsive, mobile-optimized UI.

Education

FPT University — B.E. in Software Engineering
GPA: 3.2/4.0

2022 – Sep 2026 (Expected)