

NGUYEN HUU KIEN

Frontend-focused Full-stack Developer

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SUMMARY

Frontend Developer with 5+ years of experience building production web applications using Next.js, React, Vue.js, and TypeScript. Strong in frontend architecture, reusable component systems, performance optimization, API integration, real-time data handling, and AI/RAG integration. Experienced in full-stack product development with NestJS, Node.js, MongoDB, Firebase, CI/CD, Docker deployment, and Agile/Scrum collaboration across CRM, IoT, healthcare AI, service management, e-commerce, and accounting software domains.

CORE STRENGTHS & TECHNICAL SKILLS

CORE STRENGTHS

- Frontend architecture with Next.js, React, Vue.js, and TypeScript
- Admin dashboards, CRM systems, and data-heavy management platforms
- Real-time features using SSE, WebSocket, Socket.IO, MQTT, and Firebase
- AI/RAG integration, AI chat interfaces, image rendering, and video generation workflows
- Full-stack development with NestJS, Node.js, MongoDB, and REST APIs
- WordPress custom theme development with ACF, MetaBox, CPT, Taxonomy, TailPress, and CMS-driven content structures
- CI/CD and deployment with Docker, GitHub Actions, Vercel, PM2, and Coolify

TECHNICAL SKILLS

Frameworks: React.js, Next.js, Vue.js, Svelte, TypeScript, JavaScript

WordPress/CMS: WordPress, TailPress, ACF, MetaBox, Custom Post Types, Custom Taxonomies, Custom Theme Development, WooCommerce, PayloadCMS, Strapi

UI: Tailwind CSS, Ant Design, Material UI, shadcn/ui, Vuetify

State/Data: Redux Toolkit, Zustand, Pinia, TanStack Query, SWR, Axios

Realtime: SSE, WebSocket, Socket.IO, MQTT

Backend/DB: Node.js, NestJS, Express.js, MongoDB, MySQL, Firebase Firestore

AI: OpenAI API, Mistral AI, RAG, Pinecone, LangChain

DevOps: Docker, PM2, GitHub Actions, Vercel, Coolify

Tools: Git, GitHub, Postman, Jira, Trello, Slack

WORKING EXPERIENCE

08/2025 – Present | Software Developer – IMM Group

IMM BDA Internal Business Management System

Role: Full-stack Developer — developed an internal business management system for customer management, contract tracking, quotation workflows, business data operations, and AI-assisted features.

- Built a full-stack web platform using Next.js, TypeScript, NestJS, and MongoDB.
- Developed responsive frontend modules for customer records, contracts, quotations, and business operation workflows.
- Designed REST APIs and MongoDB schemas for customers, contracts, quotations, addresses, validation, business logic, and persistence flows.
- Implemented end-to-end workflows from frontend forms and API integration to backend processing, database persistence, and response handling.
- Integrated AI-assisted features for content generation, search, summarization, and workflow support.

Tech Stack: Next.js, TypeScript, NestJS, MongoDB, REST API, AI API Integration

Domain: CRM / Business Management / Contract & Quotation Management

Link: <https://system.immbda.com>

BOAI Chatbot – AI-powered Healthcare Chat

Role: Frontend Lead — led frontend development for a healthcare AI platform with ChatGPT-like conversation UX, document-based Q&A, AI image/video generation, SSE streaming, and WebSocket task updates.

- Developed a responsive AI chat interface using Next.js, TypeScript, Tailwind CSS, shadcn/ui, Zustand, and TanStack Query/SWR.

- Implemented SSE/fetch streaming for token-by-token rendering, loading states, auto-scroll, error handling, and conversation state updates.
- Built multi-conversation management, dynamic message rendering, markdown/code block display, citation handling, and highlighted references.
- Integrated backend AI/RAG APIs for healthcare document search, contextual Q&A, uploaded-document responses, and document management workflows.
- Implemented AI image rendering and video generation workflows with prompt submission, preview/result display, progress tracking, and WebSocket-based completion updates.

Tech Stack: Next.js, TypeScript, Tailwind CSS, shadcn/ui, Zustand, TanStack Query/SWR, Fetch API, SSE, WebSocket, REST API, Markdown Renderer, AI/RAG API Integration, AI Image Generation API, AI Video Generation API

Domain: AI / Healthcare / Documentation / Knowledge Management / Media Generation

Link: <https://boai.yviet.co>

Y VIET Doctor – Healthcare Provider Portal

Role: Frontend Lead — developed frontend modules for a healthcare provider portal serving medical professionals, clinics, laboratories, pharmacies, stores, and healthcare service workflows.

- Built responsive provider-facing interfaces using Next.js, TypeScript, and Tailwind CSS.
- Developed UI and business logic for healthcare provider profiles, service information, management forms, and operational workflows.
- Integrated REST APIs for authentication, provider data, business records, and dynamic content handling.
- Implemented form validation, loading/error states, reusable components, and protected frontend flows.
- Supported production/staging frontend deployment configuration using PM2 and Nginx for doctor.yviet.co.

Tech Stack: Next.js, TypeScript, Tailwind CSS, REST API, PM2, Nginx

Domain: Healthcare / Provider Portal / Business Operations

Link: <https://doctor.yviet.co>

04/2024 – 08/2025 | Frontend Developer – Industry Embedded Solution Company

MagicHands – On-demand Housekeeping Service Management System

Role: Frontend Developer / Frontend Lead — led frontend development of an admin system for booking management, worker scheduling, customer requests, service operations, real-time status updates, and operational dashboards.

- Built the admin web platform using Next.js, TypeScript, Tailwind CSS, and Ant Design.
- Developed management screens for bookings, workers, customers, service workflows, filtering, searching, detail views, status updates, and operational actions.
- Built worker scheduling interfaces for task assignment, availability tracking, and service coordination.
- Integrated REST APIs for authentication, booking workflows, customer data, payment-related data, and service management.
- Implemented real-time booking status updates, Firebase notifications, Zustand/React Query state management, and operational dashboard modules.

Tech Stack: Next.js, TypeScript, Tailwind CSS, Ant Design, Zustand, React Query, Firebase, Axios, S3 Cloud

Domain: On-demand Services / Housekeeping / Booking & Scheduling

Link: <https://admin.magichands.com.vn>

ThingIQ – IoT Device Management Platform

Role: Frontend Lead — led frontend team, established project structure, defined coding standards, assigned tasks, reviewed code, and developed core real-time dashboard features.

- Developed a Vue.js-based management platform for real-time IoT device monitoring and control.
- Built responsive dashboards to display GPS data, CAN Bus signals, device status, and operational information.
- Implemented real-time truck tracking and data visualization using MQTT, EventSource, ECharts, and Firebase notifications.
- Integrated APIs for device configuration, status monitoring, report generation, and user management.
- Applied caching strategies and reusable UI components to reduce unnecessary API calls and improve dashboard maintainability.

Tech Stack: Vue.js, Vuetify, ECharts, EventSource, MQTT, Firebase, Pinia

Domain: IoT / Device Management / Real-time Monitoring

Link: <https://dash.thingiq.ai/>

2023 – 04/2024 | Frontend Developer – Ausnatures Pharma Vietnam Company Limited

HealthyMall – Dietary Supplement E-commerce Platform

Role: Full-stack Developer / Solo Developer — developed a dietary supplement e-commerce platform covering frontend implementation, backend APIs, database design, media storage integration, and core e-commerce workflows.

- Built a responsive e-commerce frontend using React.js, Tailwind CSS, and Ant Design.
- Developed product listing, product detail, cart flow, customer-facing screens, and order-related interfaces.
- Implemented backend APIs using Node.js and MongoDB for product data, business logic, and database operations.
- Integrated Cloudinary for cloud-based image/media storage and managed application state using Redux.
- Handled debugging, bug fixing, API integration, and end-to-end feature development as the solo developer.

Tech Stack: React.js, Node.js, MongoDB, Redux, Tailwind CSS, Ant Design, Cloudinary

Domain: E-commerce / Dietary Supplements / Retail

Link: <https://healthymall.vn>

2021 – 2023 | Frontend Developer – Aone Technology Joint Stock Company

AKetoan – Accounting & Tax Management Software

Role: Full-stack Developer — worked in a 6+ member team to build accounting and tax management software supporting tax data synchronization, reporting, Excel export, and automated tax filing workflows.

- Developed frontend and backend features using React.js, Node.js, React Query, Redux, and Ant Design.
- Researched and implemented tax data synchronization from the Vietnamese tax system into the application.
- Built reporting features for accounting, tax, and warehouse data with Excel export using ExcelJS.
- Developed automated tax filing and payment workflows for business and household tax returns.
- Built data-heavy management interfaces using Ant Design, MUI, React Material Table, and Socket.IO where required.

Tech Stack: React.js, Node.js, React Query, Redux, Socket.IO, ExcelJS, Ant Design, MUI, React Material Table

Domain: Accounting / Tax Management / Business Software

Link: <https://aketoan.aonetek.vn>