

Vo Viet Dung Software Engineer

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TECH STACK

Artificial Intelligence & Machine Learning : TensorFlow, PyTorch, Pandas.

Front-end Development: React.js, Next.js, HTML5/CSS3, Tailwind CSS, Redux, Zustand.

Databases : MySQL, PostgreSQL, SQL Server, Firebase.

Programming Languages: Python, JavaScript, TypeScript, C/C++, SQL.

Tools & DevOps : Git/GitHub, Bun, Node.js, Vercel, RESTful APIs, Postman, Docker.

PROFESSIONAL EXPERIENCE

FPT Software, Software Engineer (UI/UX & AI Integration)

12/2022 – 08/2023

Ho Chi Minh, Viet Nam

- **Designed and implemented** the UI/UX architecture for a comprehensive pharmacy e-commerce platform, focusing on intuitive navigation and seamless user experience.
- **Engineered and integrated** an AI-driven predictive text model into the search interface, analyzing user keystrokes in real-time to auto-suggest highly accurate pharmaceutical product names.
- **Optimized** the overall product discovery process, significantly enhancing search efficiency and elevating customer satisfaction on the platform.

PROJECTS

1. Public Administration Services System (PASCS) | Front-end & AI Developer

Technologies: Next.js, React, Bun, Tailwind CSS, shadcn/ui, REST APIs, .NET, Docker, Vector Database, Vercel

- **Engineered and integrated an intelligent AI Chatbot** powered by Vector Database, .NET, and Docker to provide instant, automated consultations on administrative paperwork and system services, significantly enhancing customer support efficiency.
- **Architected comprehensive management dashboards** utilizing Next.js and shadcn/ui, empowering administrators with full control over complex operations and real-time system monitoring.
- **Utilized Bun runtime** to drastically accelerate project build times and successfully deployed the highly responsive, REST API-driven ecosystem on Vercel.

2. HIV Treatment Support Platform | Front-end Developer

Technologies: React.js, Vite, TypeScript, Tailwind CSS, REST APIs.

- **Developed robust client-side logic** bridging communication between doctors and HIV patients, enabling real-time prescription issuing and personalized medical treatment planning.
- **Built a secure and comprehensive patient portal** featuring medical profile management, appointment scheduling, and automated medication reminders to improve patient care quality.
- **Implemented a scalable, type-safe architecture** using React.js and TypeScript via Vite, styled with Tailwind CSS for an accessible and responsive user interface.

3. KOI Fish Delivery Logistics System | Front-end Developer

Technologies: React.js, Leaflet.js, CSS, shadcn/ui, REST APIs, Vercel.

- **Integrated Leaflet.js mapping solutions** combined with shortest-path algorithms to dynamically calculate precise A-to-B distances, automating shipping fee estimation and delivery time forecasting.
- **Designed and developed the end-to-end ordering interface**, encompassing intricate order management logic and seamless payment processing flows.
- **Crafted a clean, intuitive user interface** utilizing native CSS alongside shadcn/ui components, successfully deploying the production-ready application on Vercel.

CERTIFICATES

- [Python for Everybody - University of Michigan](#) 
- [Software Development Lifecycle | University of Minnesota](#) 
- [User Experience Research and Design | University of Michigan](#) 
- [CertNexus Certified Ethical Emerging Technologist | CertNexus](#) 

EDUCATION

FPT University

- **Specialization:** Artificial Intelligence (AI).
- **GPA:** 3.0/4.0 (Good).
- **Key Coursework:** Data Structures & Algorithms, Software Architecture, Machine Learning, Deep Learning, Advanced Web Application Development.

11/2020 – 12/2025