

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

11/2020 – 12/2025

- 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.