

Pham Thanh Lam

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Career Objective

Seeking a Full-stack Developer role to utilize and expand my expertise in both front-end and back-end technologies, while integrating AI capabilities to create intelligent and user-centric applications.

Education

University of Information Technology (UIT) - VNU HCM *Sept 2022 - Now*
Faculty of Information Science and Engineering

- CPA: 8.63/10

Certificates

- **TOEIC Certificate Listening - Reading:** 605
- **TOEIC Certificate Writing - Speaking:** 150/200 - 130/200
- **Coursera:** [Supervised Machine Learning: Regression and Classification](#) [↗](#)

Experience

Full-stack Developer Intern *July - December 2024*
BlueSkyTech, Ho Chi Minh City

Software Developer *July 2025 - Now*
Digital Twin Start-up

Projects

Smart Parking Management System

Front-end

- Built key pages like employee shift management and parking history using **ReactJS**, **NextJS**, **Material UI**, and **Tailwind CSS**.
- Improved user experience and SEO by reaching **100% Google Lighthouse scores** and added Excel export using **exceljs**.

Back-end

- Created **.NET APIs** for vehicle pass renewal and online account management.
- Wrote efficient **SQL Server stored procedures** for reports and history lookup.

Online Food Ordering Website

[hungry-yet](#) [↗](#)

Front-end

- Built the web app using **Next.js App Router** and **React Server Components** to improve loading speed with server-side rendering.
- Used **SWR** for fast data fetching and React Hooks like **useCallback**, **useMemo** to reduce re-renders and boost performance.

Back-end

- Created APIs using **Drizzle ORM** and **Neon Postgres** for reliable cloud-based data storage.
- Designed the database with **PostgreSQL** to manage orders and menu items efficiently.

English Vocabulary Game for Primary School Students

[rainywords](#) 

Front-end

- Built core UI components including homepage, login/logout, and account settings using **HTML5 Canvas** to provide an interactive and game-like experience tailored for young learners.
- Applied **custom animation and input handling logic** on Canvas to enhance user engagement and responsiveness, ensuring smooth gameplay mechanics and visual feedback.

Back-end / DevOps

- Deployed the project using **Docker**, enabling a scalable and portable containerized environment for consistent deployment across servers.
- Successfully configured the server to handle over **6,000 concurrent users**, ensuring system stability and performance during peak usage.

Real-Time Flight Price Prediction System

[Flight-Price-Prediction](#) 

Front-end

- Designed a simple and effective user interface using **Flask (Python)** to display real-time predicted flight prices, allowing users to visualize pricing trends and insights.

Real-time Data Processing

- Implemented real-time data streaming and processing using **Apache Kafka**, enabling continuous ingestion and transformation of flight data.
- Integrated Kafka with the prediction pipeline to ensure low-latency updates and real-time responses for user queries.

AI-Powered Chatbot for Real-Time Support

[chatbot-innovation](#) 

Front-end

- Built a responsive chat interface using **Next.js** and **Tailwind CSS**, allowing users to interact seamlessly with the chatbot in real time.
- Designed user-friendly conversation flow, typing indicators, and error handling for enhanced UX.

Back-end / AI Integration

- Integrated with **OpenAI GPT API** to generate intelligent responses based on user input, supporting both casual and contextual queries.
- Managed server-side communication and prompt handling using **Next.js API routes**, ensuring low-latency interaction.
- Applied streaming responses to simulate real-time typing behavior, improving conversational realism.

Technologies

- **Programming Languages:** C#, JavaScript, TypeScript, HTML/CSS
- **Frontend Frameworks/Libraries:** ReactJS, Next.js, Material UI, Shadcn, Tailwind CSS, Bootstrap, ...
- **Backend Technologies:** .NET, .NET Web API, Drizzle ORM, Entity Framework Core, MongoDB,...
- **Databases:** Microsoft SQL Server, PostgreSQL (Neon Postgres)