Pham Huynh Quoc Thang

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An ambitious front-end developer with a strong foundation in modern web technologies and a keen eye for design. I am enthusiastic about crafting innovative web solutions and collaborating on impactful projects.

WORK EXPERIENCE

Front-End Developer   **May 2025 - Present**
Arobid   **HCMC, VietNam**

TRADEXPO – Virtual Exhibition Platform

Virtual exhibition and B2B networking platform integrating 3D/VR, live streaming, and real-time interactions, serving thousands of concurrent users.

Key Achievements:

- Developed **490+ modular React components** using **feature-based architecture** in a **Turborepo monorepo**.
- Built **3D Virtual Exhibition UI** with **Marzipano** enabling **360° interactive VR booth experiences**.
- Implemented **Business Matching interface** with **real-time scheduling**, **availability calendar**, and **time-slot booking**.
- Created **Live Event System** with **WebSocket updates** and **Zoom SDK integration** for real-time engagement.
- Optimized **SSR/SSG (Next.js App Router)** reducing **initial load time by 40%**, achieving **Lighthouse 90+ performance score**.
- Built **shared component library** achieving **70% reusability** across **15+ monorepo apps**.
- Implemented **internationalization (11 languages)** and **responsive UI** for all device types.
- Established **automated testing infrastructure** with **Vitest**, **Playwright**, and **visual regression testing**.
- Applied **advanced performance techniques** (code splitting, lazy loading, image optimization) reducing bundle size significantly.

Marketing & Business Applications

Developed **3 marketing and B2B applications** to promote company services and connect enterprises across different industries.

Highlighted Projects:

- **3D-A80 Exhibition:** Interactive **3D virtual viewer** for online marketing events.
- **Career Portal:** Recruitment platform with **advanced filtering** and **online application system**.
- **OCOPEX Platform:** E-commerce portal featuring **interactive Vietnam map**, **product showcase**, and **OCOP verification**.

Key Contributions:

- Built **responsive UI components** via a **shared design system** ensuring brand consistency across apps.
- Applied **SSR & SEO optimization**, **i18n (VI/EN)**, and **mobile-first design** for global accessibility.
- Integrated **analytics and user tracking** to measure engagement and conversions.

Technical Highlights:

- **Advanced React patterns:** Compound Components, Custom Hooks, HOCs
- **Next.js innovations:** Server Components, Server Actions, Streaming SSR
- **State management:** Zustand + TanStack Query caching strategies
- **Real-time UI:** WebSocket + optimistic updates
- **3D/VR technology:** 360° panorama rendering, interactive hotspots

Front-end Developer   **May 2024 - Nov 2024**
Amazing Tech   **HCMC, VietNam**

Developed an agricultural e-commerce platform with integrated management and logistics systems, focusing on usability and performance.

Key Achievements:

- Built **comprehensive farm management features**, including **animal health tracking with Chart.js visualization**, **block management**, and **real-time camera monitoring**.
- Developed **responsive e-commerce functionalities**: shopping cart, order management, and multi-payment integration.
- Implemented **user management system** with authentication, profile, and address handling.
- Optimized **performance** using **code splitting** and **lazy loading**, ensuring consistent **UI/UX** via **TailwindCSS** and **React Hooks**.

Tech Stack: React, JavaScript, TailwindCSS, Chart.js, RESTful APIs, Zustand

Intern Front-End Developer   **Sep 2023 - Dec 2023**
FPT Software   **HCMC, VietNam**

Key Achievements:

• Implemented secure authentication system with JWT, including login/logout functionalities and user profile management
• Developed responsive UI compatible across devices while maintaining consistent user experience
• Optimized application performance through code splitting and lazy loading techniques
• Engineered efficient state management using Redux for seamless data flow and real-time updates

Tech Stack: ReactJS, Redux, JWT, RESTful APIs, Material-UI/TailwindCSS

EDUCATION

University   **Oct 2020 - Dec 2024**
FPT University - Software Engineering

PROJECTS

Shoppe Clone ⧉   **Apr 2025 - Present**

Developed a full-featured e-commerce web application cloning Shopee's core functionalities using **React.js** and **TypeScript**. Implemented features like authentication, product management, shopping cart, and checkout process with modern React practices.

Key Features:
- **Authentication:** JWT-based auth, protected routes, automatic token refresh
- **State Management:** React Query for server state, Context API for global state
- **UI Components:** Reusable components with TypeScript, form handling with React Hook Form
- **Testing & Documentation:** Unit tests with Vitest, component documentation with Storybook
- **User Experience:** Responsive design with Tailwind CSS, i18n support, error boundaries

Tech Stack:

Frontend: React.js, TypeScript, Tailwind CSS

State: React Query, Context API

Testing: Vitest, React Testing Library, Storybook

Others: React Hook Form, i18next, React Helmet

X (Twiiter) Clone ⧉   **Dec 2024 - Mar 2025**

Description:

Developed a scalable REST API replicating Twitter's core functionalities using **Node.js**, **Express.js**, **TypeScript**, and **MongoDB**. Integrated features like advanced authentication, media handling with Cloudinary, real-time messaging using WebSocket.

Key Features:
- **Authentication:** JWT-based authentication, email verification, password reset, session management.
- **Search:** Advanced search with MongoDB aggregation, tweet and user search, media filters.
- **Media Management:** Cloudinary integration for image/video storage, HLS streaming support, secure file uploads.
- **Real-time Features:** WebSocket for private messaging, notifications, and chat history.
- **Security & Performance:** Rate limiting, CORS, Helmet, request validation, scalable database schemas.

Tech Stack:
- **Backend:** Node.js, Express.js, TypeScript
- **Database:** MongoDB
- **Cloud Services:** Cloudinary (Media Storage & Streaming)
- **Real-time:** WebSocket, Socket.io