

Phan Quoc Bao

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Ho Chi Minh City, Vietnam

PROFESSIONAL SUMMARY

Software Engineer with 2+ years of building dynamic web applications using React, Next.js, and Tailwind CSS. Expert in creating sleek UIs, seamless API integration, and boosting SEO/performance. Fueled by curiosity for tech's inner workings, I craft top-notch user experiences and embrace cutting-edge innovations.

KEY SKILLS

- **Frontend:** React, Next.js, TypeScript, JavaScript (ES6+), TailwindCSS, React Query, Shadcn UI
- **Backend/Full-Stack:** Express.js, NestJS, Socket.io, GraphQL
- **Databases:** MongoDB, MySQL, PostgreSQL, Firebase
- **Others:** AI Integration (GPT-4, GPT-4 Nano), SEO Optimization, Responsive Design, API Integration, TypeORM, Elasticsearch, Agile/Scrum

EXPERIENCE

Frontend Web Developer

Mar 2024 – Present

Arobid – arobid.com, District 7, HCMC

- **Platform Overview:** Developed Arobid's B2B e-commerce platform (arobid.com), connecting global buyers and suppliers with features like Request for Quote (RFQ) systems, supplier verification, and market insights for efficient, secure trade.
- **Key Contributions:**
 - Refactored real-time chat with SignalR using React Query and query key factory pattern, eliminating re-renders and improving response time by 20% for B2B e-commerce users.
 - Led the main flow squad for the RFQ system, quotations, sales agreements and contracts, optimizing forms with the React Hook Form and Zod, applying Adapter and Factory patterns to reduce re-renders during data entry by 30% and validation errors by 25%.
 - Built a Design System with Shadcn UI and TailwindCSS, delivering over 30 reusable components for responsive, multilanguage (i18n) interfaces, proposing UI/UX improvements that boosted user engagement.
 - Integrated AI tools with Jira and Gitlab in a Turbo micro-frontend stack, reducing the development cycle time by 15% and streamlining workflows.

Frontend Web Developer

Dec 2022 – Mar 2024

MangoAds – mangoads.vn, District 10, HCMC

- **Key Contributions:**
 - Developed responsive UI components from Figma designs using Next.js and TailwindCSS, ensuring seamless user experiences for client websites.
 - Integrated RESTful APIs with CMS for dynamic data rendering, enhancing content delivery for banking and education platforms.
 - Optimized SEO and static rendering in Next.js, boosting page load speeds and search engine visibility.
 - Contributed to client projects including:
 - * ACB: <https://acb.com.vn/>
 - * Eximbank: <https://eximbank.com.vn/>
 - * VAS: <https://www.vas.edu.vn/>

PROJECTS

ClassMate – IELTS Learning Platform Aug 2023 – Dec 2024

Role: Leader & Full-Stack Developer Team Size: 5 members

- **Tech Stack:** *React.js (Vite), TypeScript, Express.js, Socket.io, GraphQL, Firebase*
- **Key Contributions:**
 - Developed a multi-tenant IELTS platform for 10+ global instructors, enabling AI-driven practice and testing for all four IELTS skills (speaking, writing, auto-grading).
 - Led projects with Elanglab and an anonymous client, integrating feedback to deliver features and reduce app crash rates to under 10% based on user reports.
 - Optimized Firestore operations and AI prompts with Zod, cutting costs by 43% and improving response accuracy for better user experience.

Software Development for "KBank Thuong Vang" Campaign – KBank VietnamSep 2024 – Jan 2025

Role: Frontend Developer Team Size: 4 (PM/BA, BE, FE, UI/UX)

- **Tech Stack:** *Next.js, TailwindCSS, Firebase*
- **Key Contributions:**
 - Developed a high-performance lucky draw application handling 15M+ data points, ensuring fast and reliable user interactions.
 - Optimized data processing to execute in seconds, enhancing cost efficiency and user engagement.

Seconds – Capstone Project Aug 2024 – Dec 2024

Role: Leader & Full-Stack Developer Team Size: 4 (1 FS, 1 FE, 2 BE)

- **Tech Stack:** *Next.js, TailwindCSS, NestJS, TypeORM, ElasticSearch, GraphQL, PostgreSQL*
- **Key Contributions:**
 - Architected a full-stack marketplace with responsive Next.js and TailwindCSS frontend, improving accessibility and auction functionality.
 - Integrated GraphQL APIs for efficient data management, enhancing platform scalability and user engagement.

EDUCATION

Bachelor of Software Engineering Dec 2024

FPT University, Ho Chi Minh City

CERTIFICATES

Software Development Lifecycle Jan, 2023

Coursera - <https://coursera.org/share/16be2907acc04215de5b3502168fbab6>

Project Management Principles and Practices Feb, 2024

Coursera - <https://coursera.org/share/0891d8493847b57ae94716dae45b173f>

User Experience Research and Design Jun, 2024

Coursera - <https://coursera.org/share/be99c7d51fb9ed328221b341b9b46809>