

Quang Trinh Khac

Phone: +84 8585 33839

Email: khacquang.trinh@gmail.com

Portfolio: tkhquang.dev

LinkedIn: linkedin.com/in/tkhquang

GitHub: github.com/tkhquang

Location: District 1, HCMC, Vietnam

PROFESSIONAL SUMMARY

Accomplished Senior Frontend Engineer with 6+ years of expertise in architecting, developing, and deploying scalable web applications using modern JavaScript frameworks. Acknowledged expert in React and Vue, with a proven ability to lead technical initiatives, enhance user experience, and drive business objectives. Passionate about clean code, performance optimization, and collaborative problem-solving.

TECHNICAL SKILLS

Languages:	JavaScript/TypeScript, Elixir
Frontend:	React.js, Vue.js, Next.js, Gridsome, LiveView (Elixir/Phoenix), Jest, Cypress
Styling/UI:	HTML5, CSS3, SCSS/Sass, Tailwind CSS, CSS-in-JS, styled-components, Headless UI, Ant Design, Bootstrap
State Management:	Redux, Zustand, Recoil, Jotai, Vuex, Context API
API Integration:	GraphQL, REST APIs
Backend:	Elixir/Phoenix, Node.js, PostgreSQL
Tooling & DevOps:	Git, Webpack, Turbopack, Puppeteer, Docker, Vercel, Netlify

PROFESSIONAL EXPERIENCE

Senior Frontend Engineer @ Care

08/2023 – 06/2025 (1 year 9 months)

Health Screening Report Generation System

Team of 4

Architected and led the development of a mission-critical service for generating dynamic PDF health reports from complex lab data, guiding a small frontend team. This system streamlined clinical workflows and established a foundation for future data products.

- Engineered a scalable microservice using Next.js API routes, integrating Puppeteer for precise server-side PDF rendering and Recharts for data visualization.
- Defined and implemented the complete project architecture, coding standards, and CI/CD pipeline, ensuring a maintainable and high-quality codebase.
- Orchestrated a seamless integration with frontend teams, accelerating feature delivery and enabling new platform capabilities.

Next.js, Puppeteer, Recharts, TypeScript, TailwindCSS, Docker

Enterprise Wellness Platform

Team of 10

Spearheaded frontend development for a partner-facing wellness platform, delivering advanced customization and mobile-integrated features that measurably improved partner engagement.

- Developed highly responsive and accessible user interfaces using React and TypeScript, meeting ambitious deadlines while fulfilling all business requirements.
- Engineered a flawless webview integration for the core Flutter application, ensuring a consistent and fluid user experience across both Android and iOS.
- Architected and executed a monorepo strategy for four frontend repositories, significantly reducing code duplication and standardizing component usage.

- Integrated analytics and event tracking to provide actionable data insights, leading to data-driven improvements in the user experience.

React, TypeScript, Zustand, Next.js, SCSS, TailwindCSS, Ant Design

Membership Management Module

Team of 12

Enhanced the core membership system and partner back-office, focusing on UX improvements and third-party integrations to boost user satisfaction and streamline data collection.

- Collaborated within a cross-functional team to design and implement user-centric interfaces, ensuring strict alignment with the company's comprehensive design system.
- Led a research initiative to evaluate and integrate third-party form-builder frameworks (form.io, BEEKAI), presenting a POC that demonstrated a path to faster client onboarding.

React, TypeScript, Zustand, Next.js, TailwindCSS, Ant Design

Full-Stack Engineer @ Deliany

10/2020 – 07/2023 (2 years 9 months)

Multi-tenant Restaurant Cloud Platform

Team of 8

Progressed from a Frontend to a pivotal Full-Stack role, where I led the architecture of a new POS system and established a company-wide UI library, driving major improvements in developer productivity and product cohesion.

- Architected and delivered a feature-rich Point-of-Sale system using an Elixir/Phoenix backend and React frontend for complex real-time order management.
- Created and governed a comprehensive React UI component library based on Headless UI, which was adopted as the company-wide design standard.
- Drove a 20% increase in key conversion rates by leveraging user analytics to optimize UI layouts and critical user flows.
- Reduced technical debt across multiple codebases through systematic refactoring, resulting in a measurable increase in team velocity and application performance.
- Mentored two junior developers through structured code reviews and pair programming, measurably improving their technical proficiency and autonomy.

Elixir/Phoenix, React, TypeScript, Recoil, Next.js, GraphQL, PostgreSQL, styled-components

Frontend Engineer (Freelance) @ Multiple Clients

09/2019 – 10/2020 (1 year 1 month)

Logistics & Package Tracking Platform

Team of 3

Developed a complete frontend solution for a shipping logistics platform with real-time package tracking, focusing on high performance and component reusability.

- Engineered a modular Vue.js component library, reducing feature implementation time by 40%.
- Achieved a 200% improvement in page load times by implementing advanced code-splitting, lazy loading, and dependency optimization techniques.

Vue.js, Vuex, Bootstrap

practice.dev - Developer Education Platform

Team of 2

Served as a key contributor to an educational platform for developers, responsible for quality assurance and the technical correctness of coding challenges.

- Performed comprehensive testing and debugging of both frontend and back-end coding challenges, ensuring functional accuracy and educational value.
- Collaborated with platform authors to refine challenge specifications and enhance the user feedback system.

React, Vue.js, Node.js, Firebase, TailwindCSS

Orchestrated the architectural migration and feature development for a video chat application, enhancing performance and ensuring cross-platform stability.

- Led a large-scale migration from a legacy Vue/Parcel architecture to a modern React/Webpack stack, resulting in a 30% performance boost and improved maintainability.
- Integrated WebRTC to enable reliable, low-latency video communication.

React, Vue, Redux, WebRTC, Webpack

Software Engineer @ Dwarves Foundation

06/2019 – 09/2019 (3 months)

TelemetryTV Digital Signage Platform

Team of 5

Contributed core features to an enterprise-grade digital signage platform, focusing on a major architectural migration and developing rich, interactive features.

- Migrated dozens of business-critical components to a new architectural framework, enhancing both system performance and developer experience.
- Translated complex Figma designs into pixel-perfect, interactive user experiences that demonstrably increased user engagement metrics.

Vue.js, Vuex, Gridsome, GraphQL, TailwindCSS

Software Engineer Intern @ Dwarves Foundation

04/2019 – 06/2019 (2 months)

DATCOM Internal Application

Team of 5

Acquired comprehensive full-stack experience by building an internal lunch-ordering system from the ground up within an Agile team.

- Contributed to the full software development lifecycle, from database design with GORM and PostgreSQL to API development with Golang (Gin).
- Developed and tested RESTful API endpoints for all core application functionalities.
- Built the entire administrative frontend using React and Tailwind CSS, focusing on a clean and intuitive user experience.

Golang, PostgreSQL, RESTful API, React, TailwindCSS

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

Wizeline Academy: [APAC React Bootcamp Certificate](#)

freeCodeCamp: [Responsive Web Design, JavaScript Algorithms & Data Structures, Front End Development Libraries, Back End Development & APIs](#)

Dwarves Foundation: [Software Engineering Internship Completion](#)

IIG Vietnam: TOEIC English Proficiency - Score: 870 (12/2014 - 12/2016)

EDUCATION

Advanced Education Program (AEP), Information Systems

Ho Chi Minh City University of Information Technology (UIT) - VNUHCM

LANGUAGES

Vietnamese: Native, **English:** Fluent