

TRAN THANH DAT

Frontend Engineer (ReactJS / DevOps Focus)

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PROFESSIONAL SUMMARY

Performance-driven Frontend Engineer with expertise in the React ecosystem (Next.js, TypeScript) and a strong command of DevOps workflows (Docker, GitLab CI/CD, Rancher(k8s)). Proven track record at BKAV Corporation in building scalable web applications, optimizing Core Web Vitals, and automating deployment pipelines. Passionate about bridging the gap between development and operations to deliver high-quality software products.

TECHNICAL SKILLS

- Core Frontend:** JavaScript (ES6+), TypeScript, HTML5, CSS3 (SCSS/TailwindCSS), Responsive Design.
- Frameworks & State:** ReactJS, Next.js (SSR/SSG), Redux Toolkit, Zustand, Ant Design, MUI.
- System & DevOps:** Docker, Rancher(K8s), GitLab CI, Nginx, Linux Shell, SSH.
- Backend & Network:** Node.js, Express, MongoDB, WebSocket (Socket.io,SignalR).

WORK EXPERIENCE

BKAV Corporation | Hanoi, Vietnam

Frontend Developer | Aug 2024 - Present

1. H2Q Solution (Digital Transformation Platform)

- Orchestrated the deployment workflow using Rancher and Docker, ensuring 99.9% uptime for the staging environment.
- Engineered automated GitLab CI/CD pipelines to build, test, and deploy React applications, reducing manual deployment time by 40%.
- Collaborated with the backend team to integrate complex APIs for the digital transformation modules.
- Access:** h2qsolution.com

2. Vietnam Intellectual Property Office (DVC - Public Service Portal)

- Developed high-performance dynamic forms using ReactJS and Ant Design to handle complex citizen data input.
- Optimized client-side rendering performance, ensuring smooth user experience across various devices and browsers.
- Containerized the frontend application using Docker, standardizing the development environment across the team.

- **Access:** dichvucong.ipvietnam.gov.vn

3. Speech To Text Web App (BKAV AI)

- Implemented real-time bi-directional communication using WebSocket, achieving low-latency audio streaming and text transcription.
- Solved memory leak issues related to continuous audio buffer processing in the browser.
- Created a reusable React component library for the audio recording interface using TypeScript.
- **Access:** htm.democloud.xyz

4. BKAV Hardware Solution (BHS)

- Leveraged Next.js (SSR) to improve SEO rankings and significantly reduce First Contentful Paint (FCP) time.
- Translated Figma design systems into pixel-perfect, responsive UI using TailwindCSS.
- **Access:** bhs-bkav.com

SIGNATURE PROJECTS

VIETRAIL (Airbnb Clone) | Personal Project

- **Role:** Fullstack Developer
- Architected a full-featured booking platform using Next.js 13+ and Prisma ORM.
- Implemented secure authentication and advanced search filters (Location, Date, Price).
- **Repo:** [Frontend](https://github.com/.../Frontend) | [Backend](https://github.com/.../Backend)

Real-time Chat Application | Personal Project

- **Role:** Frontend & Backend
- **Repo:** github.com/.../RealTimeChat
- Built a scalable chat architecture using Socket.io and ReactJS/Node.js, supporting multiple chat and persistent message history via MongoDB.

EDUCATION

FPT University | Hanoi, Vietnam

- Bachelor of Software Engineering (2021 - 2025)

CERTIFICATIONS

- English: TRANSITION 6 (B2 VSTEP Equivalent).
- Coursera: Software Development Lifecycle & Academic English Writing (UC Irvine).