



LE KHANH DAT

SOFTWARE ENGINEER

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PROFESSIONAL SUMMARY

Frontend Developer with 1.5+ years of experience building web and mobile applications using ReactJS, React Native, and TypeScript. Experienced in developing enterprise applications involving data management, dashboards, complex business workflows, and RESTful API integration. Hands-on experience across the development lifecycle, from implementing reusable UI components and business logic to debugging, testing, and collaborating with cross-functional teams. Familiar with internationalization (i18n), performance optimization, and maintainable component design.

SKILLS SUMMARY

- **Frontend:** ReactJS, React Native, TypeScript, JavaScript, Vite, React Router, Fluent UI, Ant Design, Tailwind CSS, SCSS, responsive UI, reusable components.
- **API & Data:** Axios, RESTful APIs, TanStack React Query, pagination, caching, search/sorting, asynchronous data handling.
- **Visualization & Integrations:** Chart.js, Three.js, HLS streaming, Mapbox, AI image recognition, 2D/360°/3D visualization, NocoDB, PayOS, OpenAI API, Azure Translator.
- **Mobile:** Expo, React Navigation, AsyncStorage, push notifications, camera/media workflows.
- **Engineering:** Git/GitLab, Jira, AI-assisted development, Jest, debugging, performance optimization, error handling, internationalization (i18n), technical documentation.
- **Languages:** English – TOEIC 650+ | B2 (Upper-intermediate)

WORK EXPERIENCES

DATA LIFECYCLE MANAGEMENT APPLICATION - AVEPOINT VIETNAM Feb 2026 - Sep 2026

Technologies: ReactJS, TypeScript, JavaScript, Fluent UI, RESTful API, Axios, MSSQL/PostgreSQL, i18n, Gitlab, Jira.

Domain: Data Governance & Records Management

- Developed and maintained frontend features for a large-scale enterprise data governance and records management platform using ReactJS and TypeScript.
- Built and enhanced reusable UI components with Fluent UI, including data tables, filters, pagination, dialogs, tooltips, loading states, and form validation.
- Implemented business logic for permissions, data classification, records management, approval workflows, rule enforcement, and job execution status.
- Integrated frontend features with RESTful APIs, handling asynchronous requests, JSON data processing, validation, and error handling.
- Investigated and resolved frontend and integration issues involving UI state, API data inconsistencies, pagination, date/time handling, and internationalization (i18n).
- Collaborated with Product Managers, QA Engineers, Frontend and Backend Developers to clarify requirements, implement features, troubleshoot issues, and participate in code reviews.
- Refactored existing code and improved component reusability and maintainability while preserving compatibility with existing functionality.
- Tested and debugged features across development and testing environments, identifying and resolving environment-specific issues.

FACTORY MANUFACTURING MONITORING APPLICATION - MIND TECH JSC

Feb 2025 - Jan 2026

Tech stack: React, TypeScript, Vite, Ant Design, SCSS Modules, React Query, Chart.js, HLS streaming

Domain: Manufacturing monitoring, OEE, telemetry, camera playback, product master data

- Developed the frontend for an Industrial IoT/MES manufacturing monitoring platform using React, TypeScript, Vite, and Ant Design, covering dashboards, OEE monitoring, camera systems, product management, and responsive interfaces.
- Built comprehensive OEE and production monitoring dashboards, visualizing Availability, Performance, Quality, production output, resource consumption, real-time/historical trends, and machine-specific metrics.
- Developed a camera live and playback module with HLS streaming, multi-camera layouts, playback timelines, recording availability calendars, and clip pagination.
- Integrated telemetry, asset, product, and dashboard APIs using TanStack Query and Axios, implementing caching, refetching, pagination, server-side search/sorting, payload mapping, request cancellation, and API error handling.
- Built an end-to-end equipment alarm management system, including severity classification, real-time notifications, equipment navigation, and acknowledge/clear/close actions.
- Developed production-order and machine operation workflows, including production start/stop commands, device timelines, machine-specific attributes, API fallback logic, and operational status tracking.
- Built an interactive digital factory experience with 2D/360° factory maps and 3D GLB models using Three.js, React Three Fiber, and Drei, including object selection, highlighting, metadata, and context-aware camera controls.
- Improved responsive and cross-screen UX across desktop, tablet, and mobile, implementing loading, error, and disabled states while maintaining consistent navigation and data presentation.

DANANG SMART TOURISM MOBILE APP - PERSONAL PROJECT

Jan 2025 - Jan 2026

Technologies: React Native, TypeScript, React Navigation, Mapbox, NocoDB, Axios, PayOS, i18n, Github

Domain: Smart Tourism, Travel Discovery, Maps & Navigation, AI-powered Image Recognition

- Github: <https://github.com/lekhanhdat/Travel.git>
- Developed the Da Nang Smart Tourism Mobile App with React Native and TypeScript, across app shell, navigation, auth, maps, AI detect camera, chatbot, payment, i18n.
- Integrated NocoDB REST APIs for locations, festivals, reviews, user profiles, and donations, including paginated fetching, caching, semantic search, image reviews, and rich detail pages.
- Built a Mapbox-based navigation experience with GPS tracking, Directions API, turn-by-turn steps, route alternatives, distance/duration display, traffic toggles, selected markers, my-location control, and auto-fit route camera behavior.
- Implemented an AI camera recognition workflow using VisionCamera/image picker, preview modal, image upload to a detection backend, timeout handling, and markdown-capable result modal.
- Delivered authentication, profile, payment, and chatbot flows: login/register, forgot-password OTP, modal profile editing, PayOS donation, balance refresh, OpenAI chatbot, image upload, and image search responses.
- Built semantic search and recommendation features with similarity-score filtering, keyword fallback, related locations/festivals, reusable search components, and recommendation cards.
- Implemented multilingual support using i18next/react-i18next, Azure Translator, translation caching/fallbacks.

EDUCATION

Vietnam - Korea University of Information and Communication Technology

Sep 2021 - Jan 2026

Bachelor of Engineering in Global Information Technology

- Graduated with Distinction
- GPA: **3.32** / 4.0
- 4x **Academic Encouragement Scholarship recipient**
- 2x **Excellent Student honoree**
- **Top 10 Finalist & Consolation Prize Winner** – English Talent Competition
- **Youth Union Executive Committee** (2022-2024) & received a Certificate of Merit from the University of Danang Youth Union