

DANG HOANG DAI NGHIA

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Date of Birth: March 15, 2000

PROFESSIONAL SUMMARY

Software Engineer with 4+ years of comprehensive experience specializing in Front-end Web Development (ReactJS, Next.js, TypeScript) and UI/UX performance optimization for high-traffic, real-time data systems and B2B SaaS solutions. Proven expertise in transforming complex backend architectures, telemetry data streams, and 3D simulation analysis (Digital Twin, Three.js) into highly intuitive, precise, and high-performing user interfaces. Possesses a strong product-driven mindset with extensive experience collaborating in Agile/Scrum environments and leveraging AI-powered development tools (Gemini, ChatGPT) to drastically accelerate product engineering.

CORE SKILLS

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  Front-end Web Technologies: ReactJS, Next.js, TypeScript, JavaScript, HTML5, SASS/CSS3, Responsive Web Design.
- **Data Handling & UI Optimization:** Advanced State Management, Form Validation, Component Design, Tối ưu hóa UI Performance for massive datasets, large tables/lists, and real-time operational dashboards.
- **System Integration:** RESTful API Integration, Authentication & Authorization (JWT, Access/Refresh Token flows, Secure Storage), Real-time Telemetry Communication.
- **3D Graphics & Simulation:** Three.js, WebGL, WebXR (AR/VR), Model-Viewer, Digital Twin Architecture.
- **Tools & Workflows:** Git, GitHub, Nginx, Basic Docker, Postman/Swagger, Agile/Scrum Methodology.
- **AI Tooling Proficiency:** Highly skilled in utilizing ChatGPT, Gemini to boost development velocity and code quality.
- **Languages:** English (TOEIC 600+)

WORK EXPERIENCE

03/2026 – Present

Vinatech Solution

Frontend Web Developer

- Researched and built a high-fidelity **3D Digital Twin** solution for an intelligent Warehouse Management System (WMS), digitizing complex warehouse layouts directly onto web browsers.
- Engineered low-latency, real-time communication synchronization between physical AGV/AMR robot hardware and 3D web models using high-throughput **Telemetry** data processing.
- Designed and optimized multi-layered dashboard interfaces displaying granular tasks, workflows, and deadlines across different warehouse tiers, allowing operational managers to easily monitor and audit systems.
- Optimized rendering performance for massive database tables, continuous real-time state mutations, and heavy analytics chart components.

06/2022 – 02/2026

Vizion LLC

Software Engineer (Front-end Specialist)

- Developed and maintained complex enterprise web applications, re-architecting component structures to improve initial page load times by 30%.
- Integrated robust RESTful APIs with React.js, implementing response caching and optimal state hydration logic to enhance API interaction speeds by 25%.
- Built over 10 production-grade 3D web applications utilizing Three.js & WebGL, heavily optimizing shaders and asset pipelines for seamless cross-platform rendering.
- Collaborated closely with UI/UX Designers, Business Analysts (BAs), and Backend teams in an Agile/Scrum workflow to deliver complex modules ahead of schedule.

KEY PROJECTS (AT VIZION LLC)

04/2025 – 02/2026 **Cedora: 3D Showroom & Simulation Room (Immersive E-commerce & Spatial SaaS)**

Technologies: Three.js, Model-Viewer, ReactJS, WebXR (AR), RESTful API Integration

- Led the frontend engineering of immersive 3D virtual showrooms and real-time product simulation modules for high-end interior spaces.
- Integrated native web Augmented Reality (AR) capabilities via Model-Viewer, allowing B2B and B2C clients to preview assets in real-world physical space with high rendering fidelity.
- Streamlined the digital purchasing funnel by embedding interactive "Add to Cart" hooks natively inside 3D web layers.

- Optimized 3D asset compression and loading sequences, ensuring flawless, high-frame-rate rendering across legacy mobile and web devices.

2025 – 02/2026 **Real Estate 3D Virtual Tours Portfolio (Interactive B2B Digital Marketing System)**

Technologies: Three.js, ReactJS, WebGL

- Engineered premium 360° virtual property walkthroughs for prominent real estate development landmarks (Paragon Dai Phuoc, Etown, Khai Hoan Prime).
- Developed dynamic, customizable interactive hotspots and spatial navigation meshes, significantly improving end-user digital engagement.

01/2024 – 12/2024 **3D Tour System for Offshore Construction Management (Heavy Industry Operations Platform)**

Technologies: ReactJS, RESTful API, B2B Operations Dashboard

- Owned the end-to-end front-end delivery of the heavy industry management suite, crafting scalable responsive interfaces for sophisticated field data tracking.
- Provided rigorous technical support for secure enterprise data migration and client-side system onboarding workflows.

10/2024 – 12/2024 **3D Tour System to Visit Internet Center Vietnam (Public Infrastructure Digital Space)**

Technologies: HTML5/CSS3, ReactJS, Nginx, MongoDB

- Implemented data visualization engines to render high-density public infrastructure networking logs onto graphical charts.
- Architected role-based user authentication and route guards to maintain strict data segregation and access control across discrete infrastructure virtual rooms.

EDUCATION

2018 – 2022 **Ton Duc Thang University**

Bachelor of Software Engineering (Information Technology Major) | GPA: 7.5/10

PRODUCT MINDSET & SPECIFIC FIT FOR TVPL AI WORKSPACE

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  Clarity in Complex Legal Data Representation: My direct experience rendering nested, multi-tier warehouse task matrixes at Vinatech and large-scale analytical chart states at Internet Center directly maps to TVPL AI's core requirement of presenting AI-generated legal rationales, specific Clauses/Articles, and compliance states neatly without overwhelming the user.

- **Robust Workflow & Permission Management:** Having solved dense system business logic surrounding task deadlines, activity logging, and role-based security access controls, I am well-equipped to easily develop the structural layout for **TVPL AI Core Pro & Workspace** (Personal vs. Org Workspaces).
- **Uncompromised Performance for Legal Professionals:** Believing that enterprise web apps should be fast and distraction-free, I bring a commitment to high UI performance, zero lag during large document uploads/previews, and simplified workflows for lawyers, corporations, and legal advisors.