

# CarrieChen

Proficient in React, Vue. Skilled in AI tools& Vibe Coding.Full-stack with Node.js, Next.js, Nuxt.js

13790948824 | cxling\_00@163 | Front-end | Node.js Full-Stack |  
6-year  
experience

## ★ SKILLS

- AI Efficiency: Proficient in AI tools including Cursor, Codex, Trae and DeepSeek for requirement analysis, vibe-coding and troubleshooting. Achieved ~50% daily productivity gain and delivered internal sharing sessions on AI-assisted programming.
- Language Fundamentals: Solid grasp of vanilla JavaScript & ES6+. Skilled in TypeScript for type constraints and engineering-oriented development.
- Multi-end Development: Proficient in cross-end layout with HTML5/CSS3; experienced with SCSS, Tailwind CSS and rpx adaptation. Hands-on experience across Web, mobile (App/H5/Mini-Program/HarmonyOS) and large-screen visualization scenarios.
- Front-end Frameworks: Experienced with Vue3 (Composition API, Pinia, Vue-Router, Axios); proficient with React (Hooks, Redux) and shadcn/ui component development; familiar with uni-app cross-platform development.
- Full-stack Development: Hands-on experience with Node.js, Nuxt.js and Next.js. Familiar with Nuxt 3 SSR/SSG, Next.js App Router & RSC. Able to build RESTful APIs with Express.
- AI-integrated Business: Practical experience integrating AI capabilities into business systems. Able to embed LLM inference APIs (structured output, multi-turn conversation), image recognition into existing workflow engines. Encapsulated generic AI-request composables for structured result parsing and error handling.
- 3D Visualization: Familiar with Three.js and Unity WebGL embedding. Implemented lightweight processing and rendering optimization for large-scale BIM/GIS 3D models with Glendale, with proven high-performance rendering on low-end devices.
- Real-time & Audio-Video: Knowledgeable of WebSocket real-time communication and front-end audio-video processing. Experienced with Tencent Cloud ASR speech-to-text, including PCM stream pushing and silence detection.
- Engineering & Collaboration: Skilled in project building with Vite + pnpm and multi-platform packaging; experienced with SEO & SSR optimization. Familiar with ESLint / Prettier code standards and CI/CD workflows; proficient in Git collaboration.



Certifications

- CET-4 (College English Test Band 4), CET-6 (College English Test Band 6)
- Senior Information System Project Manager (National Soft Exam, Senior Level)



EDUCATION

2016.9-2020.6

GuangDong Ocean University

Communication Engineering



WORK EXPERIENCE

2023.5-2026.10

Guangdong Yuejian Digital

Front-end/Node.js Full-Stack

- Multi-end front-end development for Web, mobile (App / H5 / WeChat Mini-Program / HarmonyOS) and large-screen visualization projects
- Leverage AI tools for vibe-coding, requirement decomposition and documentation. Deliver end-to-end implementation by engineering LLM capabilities into real-world business scenarios.
- Full-stack experience with Node.js, Nuxt.js and Next.js; capable of independently delivering front-end and back-end modules for small-to-medium projects.
- 3D visualization & lightweighting: familiar with Three.js rendering and Unity WebGL embedding. Achieve high-performance rendering of heavy-duty models on low-end devices via Glendale.
- Front-end engineering & multi-end build: Vite + pnpm setup, SEO optimization, multi-platform packaging and performance tuning

2020.10-2023.2

GuangZhou Automate

Front-end

- Participate in the functional analysis, requirement design and technical setting in the early stage of the project
- Research the functional availability of plugins required by the project and solve the compatibility of plugins
- Participate in maintenance, reconstruction and rewriting of several hospital related projects
- Responsible for solving the compatibility problems of the project on PC and mobile tablet
- Reduce the redundancy rate of the original system code, optimize the performance and improve the user experience
- Use lighthouse, a web performance analysis tool, to optimize code to achieve over 90% performance

2020.9-2020.10

Zhaopin Network

Front-end

Participated in PC and H-5 development for the Veterans Employment & Entrepreneurship Platform. Responsible for route authentication, ECharts-powered data analysis, JSONP cross-domain handling and mobile-end rem-b  
ased layout



## PROJECT EXPERIENCE

### Group Voting System (iPad + H5 + Large-Screen + Full-stack with AI)

**Tech Stack:** (Frontend) React + Vite+ Zustand + shadcn/ui+Tailwind CSS (Backend) Node.js + Express + Prisma

**Project Description:** An AI-assisted full-stack competition evaluation system covering H5 audience voting, iPad judge scoring and on-site large-screen data display. It supports full-process business closed-loop and multi-terminal adaptive presentation, supporting Web, Android, iOS and HarmonyOS.

**Responsibilities:**

- Analyzed requirement documents, clarified workflows, input/output and edge cases. Delivered feature lists, priority planning, technical specs, API docs and database design documents.
- Broke down tasks following MVP principle. Prioritized core voting-and-leaderboard flow for MVP; implemented WeChat OAuth, judge scoring, draw-lots and award ceremony in subsequent iterations, with continuous multi-end adaptation and interaction polishing.
- Leveraged MCP and multi-modal AI tools to generate base layout and style skeletons. Completed component decomposition and interaction implementation. Used postcss for px-to-vw conversion on H5 and react-scale-box for proportional scaling for both tablet and ultra-large display.
- Utilized AI to identify edge-case scenarios and generate test cases covering unauthorized access, duplicate submission, concurrent deduction and empty data. Conducted manual verification and full-link regression before release.

### EC Connect (iPad + PC + React)

**Tech Stack:** React + TypeScript + Redux + React-Router + Axios + Material-UI

**Project Description:** All-in-one service system for hospitals in Hong Kong, covering registration, class booking and physical examination, including frontend business portal and background management modules.

**Responsibilities:**

- Participated in technical selection and project bootstrapping. Designed folder structure and state-management architecture based on React+TypeScript+Redux.
- Encapsulated shared components including date picker and HKIC component plus multi-selector, abstracting general business logic to reduce duplicate work.
- Optimized rendering performance by pure-component splitting, component lazy-loading and adding loading states, lifting page rendering efficiency by ~30%.
- Researched and integrated third-party plugins for image editing, PDF preview and rich-text editing, and fixed plugin compatibility issues.
- Addressed tablet compatibility for iPad and Android tablets: optimized react-qrcode to speed-up QR scanning by around 1 second; fixed touch-event support for rich-text editors on tablet devices.

### BIM Collaborative Platform (PC + uni-app Multi-end+ BIM 3D Collaboration)

**Tech Stack:** Vue3 + uni-app + Vite + Pinia + Ant Design Vue + Element Plus + GlendaleEngine

**Project Description :** A multi-terminal construction collaboration platform for multiple engineering stakeholders. It supports BIM/GIS 3D model rendering and covers core full-process construction businesses including contract, schedule, quality and fund management.

**Responsibilities :**

- Leveraged Cesium (GlendaleEngine) to load multi-source models including BIM, GIS, CAD and oblique photography. Resolved coordinate inconsistency and slow-loading issues, and encapsulated over 70 BIM component modules.

## BIM Collaborative Platform (PC + uni-app Multi-end+ BIM 3D Collaboration)

- Rendered construction schedule network diagrams via @antv/g6. Bound construction tasks to BIM components for day-by-day simulation, built playback and schedule dashboards to mitigate delayed schedule deviation detection.
- Developed major mobile-end features with cross-code reuse for Android, iOS and HarmonyOS. Applied hybrid-rendering to maintain smooth performance for heavy-weight models on mobile devices. Enabled field staff to view models, create issues, assign tasks and close tickets on mobile, closing collaboration links between mobile and PC.
- Implemented multi-environment build with Vite, legacy compatibility and on-demand component import. Standardized codebase with ESLint 9, Prettier and pnpm to improve build efficiency and team collaboration.

## Group Official Website & Admin Platform (PC + H5 + Nuxt + SSR)

**Tech Stack:** Nuxt 3 + Vue3 + TypeScript + Pinia + Tailwind CSS + Element Plus + ECharts + WangEditor + Vite

**Project Description:** Corporate official website plus integrated content management platform. Nuxt 3 SSR enables server-side rendering, bilingual support and responsive multi-end layout. Admin portal provides content publishing, workflow approval and permission control for operation teams.

**Responsibilities:**

- Built Nuxt 3 project architecture from scratch, standardized folder structure. Implemented unified request layer `useApi` with server-side direct access, client-side proxy routing and centralized error interception, improving development efficiency by ~40%.
- Used `useAsyncData` / `\$fetch` for server-side data prefetching and `useSeoMeta` for dynamic TDK injection, solving SPA white-screen and SEO crawling deficiencies.
- Developed 10+ reusable components such as SmartScroll, EditableText, CarouselImageManager and RichEditor for common scenarios including scrolling, editing, file upload and carousel, reducing repetitive development work.
- Built atomic styling system with Tailwind CSS with responsive breakpoints for PC/mobile adaptation, cutting redundant CSS by ~50%. Improved First-screen performance by ~35% via async component lazy-loading, image preloading and @nuxt/image.

## Digital Construction Platform-SGT(PC + uni-app Multi-end + AI Capabilities)

**Tech Stack:** Vue3 + uni-app + TypeScript + Vite + Pinia + Element Plus + uview-plus + Tailwind CSS + ECharts

**Project Description:** A full-lifecycle group construction management system with PC and mobile multi-terminal support. It integrates AI speech recognition and LLM capabilities to realize digital, intelligent on-site construction management.

**Responsibilities:**

- Integrated Tencent Cloud ASR speech recognition. Implemented audio recording and real-time WebSocket streaming transcription with silence detection and pause-resume, improving field input efficiency by ~50%.
- Built generic inference wrappers to submit transcripts and site records to backend LLM services. Realized for m-field auto-filling with multi-round revision support, reducing single-log filling time from ~10 mins to 3 mins.
- Encapsulated reusable components including voice input, electronic signature, document preview and chart cards for logs, rectification and sample-approval scenarios, cutting redundant code by ~40%.
- Optimized loading performance under weak-network conditions with Vite+pnpm build, route lazy-loading, on-demand import, image lazy-loading and local caching, reducing bundle size by ~30%.



## SELF ASSESSMENT

- Cheerful personality, good at communication, get along well with colleagues, have a sense of responsibility
- Good at thinking, with a strong ability to solve problems independently; Strong self-learning ability, the courage to innovate and accept new knowledge