

Alex Chen (陈志华)

Senior Frontend Developer

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Professional Summary

Senior Frontend Developer with 5+ years of experience specializing in React, Next.js, and Tailwind CSS. Expert in creating Google-style minimalist interfaces that prioritize user experience and accessibility. Passionate about bridging technical implementation with human-centered design principles. Bilingual (English/Chinese) with strong cross-cultural design sensibility.

Technical Skills

Frontend Technologies

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, SCSS
- **Frameworks:** React, Next.js, Vue.js, Svelte
- **Styling:** Tailwind CSS, Styled Components, Emotion, CSS-in-JS
- **State Management:** Redux, Zustand, Context API, Recoil
- **Build Tools:** Webpack, Vite, Turbopack, Rollup
- **Testing:** Jest, React Testing Library, Cypress, Playwright

Design & UX

- **Design Systems:** Figma, Sketch, Adobe XD
- **UI Libraries:** Shadcn/ui, Chakra UI, Material-UI, Ant Design
- **Animation:** Framer Motion, GSAP, CSS Animations
- **Accessibility:** WCAG 2.1 AA compliance, screen reader optimization
- **Responsive Design:** Mobile-first, progressive enhancement

Development Tools

- **Version Control:** Git, GitHub, GitLab
 - **CI/CD:** GitHub Actions, Vercel, Netlify
 - **Monitoring:** Sentry, LogRocket, Google Analytics
 - **Package Managers:** npm, yarn, pnpm
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Professional Experience

Senior Frontend Developer | Simplephilosopher LLC

July 2025 - Present

- **LibraryOfBabel Project:** Architecting Google-style search interface for 360-book digital library with 34+ million searchable words
- **Technical Leadership:** Resolving critical CSS configuration issues and implementing responsive design systems
- **Cross-Cultural Design:** Applying Eastern aesthetic principles (留白 - negative space) with Western minimalist design theory
- **Performance Optimization:** Ensuring sub-100ms search response times with elegant visual feedback
- **Security Integration:** Collaborating with security team on CSP headers and build pipeline security

Senior Frontend Engineer | TechFlow Solutions

June 2022 - June 2025

- **E-commerce Platform:** Built responsive React application serving 50K+ daily active users
- **Design System:** Created comprehensive component library reducing development time by 40%
- **Performance:** Achieved 95+ Lighthouse scores across all Core Web Vitals
- **A/B Testing:** Implemented experimental framework resulting in 23% conversion rate improvement
- **Mentorship:** Led team of 3 junior developers in frontend best practices

Frontend Developer | Digital Innovations Inc.

January 2020 - May 2022

- **SaaS Dashboard:** Developed complex data visualization interfaces using React and D3.js
- **Mobile-First:** Implemented responsive design system with 99.5% cross-browser compatibility
- **Accessibility:** Achieved WCAG 2.1 AA compliance resulting in 35% increase in user engagement
- **API Integration:** Built seamless frontend-backend communication with RESTful and GraphQL APIs
- **User Research:** Conducted usability testing leading to 28% reduction in user error rates

Junior Frontend Developer | StartupVenture Co.

August 2018 - December 2019

- **MVP Development:** Built initial product interface using React and Redux
- **Rapid Prototyping:** Created interactive prototypes for investor presentations
- **Code Quality:** Established testing practices achieving 85% code coverage
- **Team Collaboration:** Worked closely with designers and backend developers in agile environment

Education

Bachelor of Science in Computer Science

University of California, Berkeley

2014 - 2018

- **Concentration:** Human-Computer Interaction
- **Relevant Coursework:** Data Structures, Algorithms, UI/UX Design, Web Development
- **Senior Project:** "Cognitive Load Analysis in Web Interfaces" - research on user decision-making patterns

Design Thinking Certificate

Stanford d.school

2019

- **Focus:** User-centered design methodology
 - **Capstone:** Mobile app interface redesign improving user retention by 45%
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Projects & Achievements

LibraryOfBabel Frontend Architecture

Current - Simplephilosopher LLC

- **Challenge:** Transform functional but unstyled search interface into Google-style experience
- **Solution:** Implement Tailwind CSS configuration, responsive design, and Norman's usability principles
- **Impact:** Enable intuitive access to 34+ million words across 360 books

BookSearch Pro - Personal Project

2023

- **Technology:** Next.js 13, TypeScript, Tailwind CSS, Supabase
- **Features:** Advanced search algorithms, personalized recommendations, reading progress tracking
- **Recognition:** Featured in "Best Developer Side Projects" by Dev.to

Component Library "Minimalist UI"

2022

- **Technology:** React, Storybook, Rollup, TypeScript
 - **Usage:** Adopted by 12+ projects across previous company
 - **Philosophy:** Based on Dieter Rams' design principles and Song Dynasty aesthetic concepts
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Publications & Speaking

"The Psychology of Interface Design: Lessons from Art History"

Frontend Focus Conference 2024

- **Topic:** How classical art principles improve modern web interfaces
- **Audience:** 500+ frontend developers and designers
- **Key Insights:** Applying 留白 (negative space) concepts to reduce cognitive load

"Cross-Cultural Design Patterns in Global Applications"

UX/UI Design Summit 2023

- **Focus:** Bridging Eastern and Western design philosophies
- **Case Study:** Bilingual interface design best practices

Certifications & Training

- **Google UX Design Certificate** (2023)
- **AWS Certified Cloud Practitioner** (2022)
- **Accessibility Web Specialist (AWS)** (2021)
- **Advanced React Patterns** - Kent C. Dodds (2020)

Personal Interests & Philosophy

Reading Interests

- **Favorite Book:** "The Design of Everyday Things" by Don Norman
- **Current Reading:** Cognitive psychology, behavioral design, philosophy (Camus, Wittgenstein)
- **Cross-Disciplinary:** Bridges technical and human perspectives through literature

Artistic Influences

- **Eastern Art:** Song Dynasty landscape painters (Fan Kuan), Hokusai, Zao Wou-Ki
- **Modern Design:** Dieter Rams, Josef Albers, Kandinsky
- **Contemporary:** Yves Klein, James Turrell, Rothko
- **Application:** Uses art principles to inform interface design decisions

Design Philosophy

"Great design is invisible - users should focus on their tasks, not figuring out the interface. Like the best Song Dynasty paintings, what you don't show is as important as what you do."

Languages

- **English:** Native proficiency
- **Chinese (Mandarin):** Native proficiency
- **Chinese (Cantonese):** Conversational

References

Available upon request

Mission: Building beautiful, accessible interfaces that liberate human knowledge