

SHANE

Frontend Engineer

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Summary

Frontend engineer with 5+ years of experience building high-performance applications using React, Next.js, Vue, TypeScript, and modern frontend tooling. Strong collaborator with a track record of improving developer productivity through contributions to industry-standard documentation like MDN and W3C.

Skills

Frontend Frameworks: React · Next.js · Vue

Languages: JavaScript (ES6+) · TypeScript · HTML5 · CSS3

Styling & UI: Tailwind CSS

Build & Tooling: Vite · Commander

Testing & Quality: Vitest · Playwright · Cypress · ESLint · Prettier · Husky

Backend & Misc: Node.js · RESTful APIs · Postgres · Git

Interests: Web performance · frontend architecture · accessibility (a11y)

Experience

Frontend Engineer

DiDi

China

10/2023 - 11/2024

DiDi is one of China's largest mobility and on-demand platforms serving hundreds of millions of users.

- Led the frontend development of an enterprise-level customer service platform for 1,000+ agents, delivered ~\$65K in monthly operational value by building high-performance features with React, Next.js, TypeScript, and Tailwind CSS.
- Eliminated 30% of manual coding time by developing a CLI tool that auto-generates component files and boilerplate code per project standards.
- Worked with backend, product, design, and QA teams to deliver major workflow features, reducing average handling time by 12%.
- Improved frontend stability and debugging efficiency through structured testing and engineering improvements.

Web Developer

Shentie

China

06/2019 - 10/2023

Shentie is a state-owned enterprise in large-scale railway engineering and infrastructure.

- Built and maintained a multi-module railway engineering management system with Vue and TypeScript, enabling full lifecycle tracking.
- Optimized first-screen performance from 4.2s to 2.3s (45% improvement) through profiling and refactoring.
- Developed reusable UI components with Element Plus, reducing UI duplication by 25%+.
- Introduced ESLint, Prettier, Husky to improve code quality and reduce regressions.
- Collaborated with designers, QA, and backend teams to ship stable, production features.

Projects

Wave AI - A Full Stack Second Brain AI Agent (11/2025)

A full-stack AI-powered knowledge management platform that captures, organizes, and connects user thoughts with intelligent assistance. Transforms scattered ideas into actionable insights through an intuitive interface.

- Technologies: Next.js, TypeScript, Tailwind CSS, Shadcn/ui, TanStack, Better Auth, Hono, Neon, Prisma
- Live Demo: <https://wave-ai-agent-ruddy.vercel.app>

AI Fusion Lab - A Full Stack AI Multi Model Application (09/2025)

Designed and developed a comprehensive multi-AI model chat platform enabling simultaneous interaction with various AI models (GPT, Gemini, DeepSeek, etc.) through a unified interface with advanced features.

- Technologies: Next.js 15, TypeScript, Tailwind CSS, Shadcn/ui, Coderabbit, Arcjet, Clerk, Firebase
- Live Demo: <https://ai-fusion-lab-theta.vercel.app>