

Keshab Chai

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PROFESSIONAL SUMMARY

React Developer and Frontend Engineer specializing in scalable web development, frontend architecture, and cross-functional collaboration. Proven ability to take ownership of broken or poorly designed projects and transform them into maintainable, future-proof platforms. Skilled at introducing modern libraries, improving security, and building user-focused systems. Strong problem-solving and communication skills with a collaborative approach to team development.

SKILLS

- **Frontend Development:** React.js, Next.js, Astro, JavaScript (ES6+), TypeScript, HTML5, CSS3, Responsive Design
- **Architectural Design:** Frontend Architecture, Scalable multi-tenant systems, modular UI patterns, strict TypeScript migrations, security audits
- **State & Data:** TanStack Query, Redux Toolkit, RTK Query, WebSocket (STOMP), RESTful APIs
- **UI & Styling:** Tailwind CSS, Ant Design
- **Integrations:** Stripe Payments, OpenAI Chat, OpenAI Voice Agent (MVP)
- **Tools & Practices:** GitHub/GitLab, Git Workflows, Vitest, Version Control, Jira, Figma, Postman, SEO optimization
- **Programming:** JavaScript (ES6+), TypeScript, HTML/CSS, Python

WORK EXPERIENCE

React Developer

AusNep IT Solution Pvt. Ltd.

10/2023 - Present

Sydney, New South Wales (Remote)

- Architected and rebuilt core systems where legacy solutions were unscalable or broken, ensuring maintainability and team productivity.
- Introduced TanStack Query to replace fragile Redux Observable/Thunk setups, reducing boilerplate and standardizing API integration.
- Migrated projects from JavaScript to strict TypeScript (no any), improving long-term reliability and developer velocity.
- Built a Google Drive-like file system entirely from scratch, fixing broken navigation and storage logic in a legacy implementation.
- Collaborated with a team of 2 backend engineers to design and deliver a scalable e-commerce platform. Started as a single-tenant build, later adapted for admin-controlled theming and module toggling, and re-architected into a multi-tenant platform designed for unlimited storefronts, with automated onboarding and centralized backend infrastructure.
- Implemented real-time socket systems (STOMP/WebSocket) for the first time at company, enabling live chat, tenant updates, and notifications.
- Partnered with backend to design a secure Stripe payments flow with saved details, replacing insecure or portal-based solutions.
- Developed a responsive CRM/Dashboard layout with persistent menu states and proper page-level scrolling, replacing broken UI patterns.
- Improved frontend security by auditing and disabling source map leakage, preventing code exposure in production.
- Refactored a core service-listing feature that was blocking shareable URLs and marketing campaigns. Re-architected flow to use route-based state, making forms modular, reusable, and sharable.
- Researched and prototyped an OpenAI-powered voice agent, testing multiple approaches (Web Speech API, VAD, WebRTC, HTTP vs. SDK) and delivered a functional MVP using Whisper-1 (STT), GPT-4o-mini (context), and TTS-1 (speech).

EDUCATION

St. Lawrence College, Tribhuvan University

Bachelor in Computer Science and Information Technology

Kathmandu, Nepal

2019 - 2023

Golden Gate International College, Tribhuvan University

+2 Science

Kathmandu, Nepal

2017 - 2019