

KAVYA TIMALSINA

Frontend Software Engineer

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PROFESSIONAL SUMMARY

Frontend Software Engineer with 2+ years of hands-on experience building scalable, responsive, and performance-optimized web applications using React, Next.js, and TypeScript. Specialized in translating design mockups into accessible component libraries, optimizing Core Web Vitals, and integrating RESTful APIs and real-time WebSockets across mission-critical enterprise systems.

TECHNICAL SKILLS

Languages & Core:	TypeScript, JavaScript (ES6+), HTML5, CSS3/SCSS, Modern Component Patterns
Frameworks & State:	React.js, Next.js, TanStack (Query, Table), ShadCN UI, Tailwind CSS, Redux
Performance & Quality:	Core Web Vitals, Code Splitting, Memoization, Lazy Loading, Accessibility (a11y), Clean Architecture
APIs & Networking:	RESTful APIs, WebSockets, Real-Time Socket Synchronization, Data Streaming
Tools & Workflow:	Git, GitHub/VCS, Figma, Jira, AWS Cloud Foundation & ML

PROFESSIONAL EXPERIENCE

Frontend Engineer, **ING Tech** 07/2024 – Present | Kathmandu, Nepal

Delivering data-heavy enterprise platforms in close collaboration with product managers, UX designers, and backend teams.

TrackiNG / TicketiNG Enterprise Management System

- Engineered a centralized bug tracking and workflow tool serving 5 partner colleges, departments, and external clients using React, Next.js, and TypeScript.
- Developed modular, reusable component systems and role-based dashboard views for complex task prioritizations and multi-institution workflows.
- Implemented real-time bidirectional synchronization via WebSockets for instant metrics changes, status transitions, and threaded team discussions.
- Tuned client-side rendering and asset loading strategies to ensure excellent Core Web Vitals and fluid UX on data-heavy views.

Smart Report Card Generation System (A-Levels & NEB)

- Designed state-driven UI workflows for automated bulk exam processing, grade computations, and administrative distribution.
- Built performant data tables with complex multi-criteria filtering, search, pagination, and bulk record modifications.
- Integrated live socket updates to monitor real-time progress for bulk asynchronous PDF generation and distribution pipelines.

Frontend Engineer (Work-Related Learning), **Fat Dog Agency** 08/2023 – 11/2023 | Kathmandu, Nepal

- Developed responsive, accessible admin dashboard interfaces for the Boost Loyalty App utilizing React, TypeScript, and Tailwind CSS.
- Integrated RESTful APIs, optimized form workflows, and enforced strict client-side validation and error-handling states.
- Participated actively in sprint planning, Jira workflow tracking, and peer code reviews to maintain clean code architecture.

EDUCATION

London Metropolitan University

BSc. (Honors) Computing | 2022 – 2024 (Kathmandu, Nepal)

Kathmandu World School

NEB +2 Science Stream | 2019 – 2022

CERTIFICATIONS

AWS Cloud Foundation

Amazon Web Services

AWS Machine Learning

Amazon Web Services