

# Ruchi Raj Karki

Frontend Developer

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## SUMMARY

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A passionate full-stack web developer based on the MERN stack, with hands-on experience in front-end technologies, I worked for a well-known AI based company building their web apps in React, using various libraries such as Redux Store, Tanstack Query, Tanstack Table, and many more. Fond of building scalable web applications and making hands dirty by writing good codes on existing and new codebases. Got a MERN Stack Training and Certification from Broadways Infosys.

## EXPERIENCE

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### Frontend Engineer

Apr '25 — Present

COL Thinkspace

Kathmandu

- Build responsive and user-friendly interfaces by collaborating with designers to ensure seamless front-end functionality and aesthetics.
- Handle end-to-end submission and publishing of apps on the Apple App Store and Google Play Store, ensuring compliance with guidelines
- Design, develop, and maintain high-performance websites, web applications, and mobile apps for Android & iOS using React.js and React Native.
- Write reusable, scalable code while ensuring optimal performance across different devices and platforms.
- Identify and resolve bugs, conduct performance tests, and implement updates to enhance application stability and speed.
- Work with backend developers, QA teams, and stakeholders to deliver feature-rich applications aligned with business goals.

### Frontend Engineer - Remote - Part-time

Aug '24 — Present

Mero Party

Kathmandu

- Developed and maintained a high-performance, mobile-responsive booking platform for Mero Party using React and TypeScript, ensuring a seamless user experience across both desktop and mobile devices.
- Implemented advanced state management with React Query and Tanstack Query, optimizing data fetching and synchronization for improved application performance and reliability.
- Designed and styled the user interface with Tailwind CSS, resulting in a visually appealing and consistent design system that aligns with modern UI/UX best practices.
- Integrated react-helmet-async to manage dynamic meta tags and enhance SEO, contributing to better visibility and discoverability of the platform.
- Wrote clean, maintainable, and consistent code following industry best practices, which facilitated easier collaboration and future enhancements.
- Collaborated with cross-functional teams including designers and backend developers to deliver high-quality features and resolve issues promptly.
- Conducted code reviews and provided constructive feedback to peers, contributing to code quality improvements and knowledge sharing within the team.
- Utilized version control systems (e.g., Git) for efficient project management and collaboration, ensuring smooth deployment and integration workflows.

### Frontend Engineer - Internship

Jun '24 — Sep '24

Treeleaf Technologies

Lalitpur, Nepal

- Worked on integrating API of chatbot web app with backend, which uses Machine Learning.
- Collaborated with the UI/UX team to transform design from Figma to React.
- Communicated with the QA team to learn about bugs and fix them.
- Built charts and table representations of data for an Analytics Web app using libraries such as Rechart.
- Utilized version control systems (VCS) like git for maintaining code.
- Quickly learned the existing codebase and folder structure, which boosted my efficiency by almost 20% compared to others.

### Frontend Intern

Sep '23 — Mar '24

KARYATHALO

Kathmandu, Nepal

- Partnered with the development team to design user-friendly web interfaces.
- Implemented responsive design principles, enhancing user experiences across devices and increasing mobile trac by 30%.
- Collaborated with a team of 5 to debug and refactor a legacy codebase, improving application performance by 30% and reducing load times by 20%.
- Conducted over 20-25 code reviews per month, ensuring adherence to coding standards and best practices, resulting in a 15% reduction in bugs and a 10% increase in team productivity through knowledge-sharing sessions.
- Utilized version control systems like Git for efficient collaboration and code management.
- Stay updated with the latest frontend technologies and best practices to ensure the application remains modern and efficient.

- Collaborated cross-functionality to develop creative and informative graphics.
- Used knowledge of graphics design software like canva, photoshop to produce graphics art and visual materials for promotions.
- Applied graphics design principles to communicate themes and messages in non-interactive communication materials.

PROJECTS

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**Blog Management Website (MERN STACK)** Link

- Developed secure user login and registration using JWT tokens and bcrypt for password encryption.
- Engineered robust API endpoints for managing users, blogs, and categories; established a Role-Based Access Control (RBAC) system, enhancing security compliance and reducing unauthorized access incidents by 50%.
- Implemented Redux for State Management, also used useContext for learning purpose.
- Set up middleware for logging, cookie management, and handling cross-origin requests.
- Designed MongoDB schemas and models for users and blogs.
- Configured Vite with React and TypeScript for the frontend, and integrated Tailwind CSS for styling.
- Established a CI - Continuous Integration system with Github and Vercel

**DJ Resub Portfolio (React)** Link

- Created a personal portfolio website using React. Showcased projects, skills, and contact information in a clean and modern design.
- Optimized in-app navigation with React Router, resulting in a 30% reduction in user navigation errors.
- Built a music player for users to listen to mixes made by DJ Resub.
- Created a timeline to display the events and milestones of DJ Resub.

**Plant Store - Ecommerce (MERN STACK)** Link

- Developed a simple ecommerce store with integrated Esewa payment gateway.
- Built an admin dashboard for managing products, orders, and users.
- Integrated features like product search, filtering, and a shopping cart.

CERTIFICATIONS

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<b>MERN Stack Development Course</b> , Broadways Infosys	Apr '24
<b>Software Engineer Intern</b> , Hackerrank	Aug '24
<b>Frontend Developer (React)</b> , Hackerrank	Jul '01

SKILLS

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- Frontend Development** HTML and CSS, JavaScript, TypeScript, ReactJS, NextJs, Bootstrap, Tailwind, React Redux, Tanstack, Styled Components
- Backend Development** Node.js, Express.js
- Version Control** Gitlab, Git, Github
- Database** MongoDB, SQLite, PostgreSQL, Firebase, MySQL
- Security** Bcrypt, Helmet.js, Passport.js, Clerk, OAuth
- API Development** Restful APIs
- Languages** Nepali, Hindi, English