RAJESHWORY SHRESTHA

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SUMMARY

Creative Frontend Developer with 5+ years of experience in software development and QA, including 3+ years building high-performance web and mobile apps. Skilled in modern frontend technologies and responsive UI design, with a strong QA background ensuring stable, reliable releases. Collaborative and focused on scalable, maintainable solutions.

WORK EXPERIENCE

Algorithm Nepal Pvt Ltd - Software Engineer   **July 2022 - Present**

- Designed and developed a dynamic, schema-validated form engine using Zod, supporting conditional logic, field linking, and reusable configurations—enhancing scalability across modules.
- Implemented RBAC and PBAC systems to secure admin and user operations, ensuring robust access control within the CMS.
- Boosted Lighthouse performance scores by 30% through code splitting, lazy loading, and other performance optimizations.
- Integrated analytics and tracking tools (Google Analytics, Inspectlet, Everflow) to monitor user behavior and drive UX improvements.
- Maintained 90%+ test coverage with unit and integration tests to prevent regressions and ensure application stability.
- Migrated map services from Google Maps to Azure Maps, significantly improving render speed and responsiveness with large-scale datasets.

Yirifi.ai, Singapore (Remote) - Frontend Engineer   **March 2024 -April 2025**

- Contributed to building core features such as the Library Management system and Blog module, focusing on modularity and maintainability.
- Actively participated in code reviews and pull request (PR) discussions, ensuring code quality, readability, and alignment with team standards.
- Researched and implemented a feature flag system using Unleash SDK to manage role-based feature rollouts and enable safe experimentation.
- Participated in knowledge-sharing sessions to learn about Web3 marketplaces, crypto risk analysis, and digital assets, gaining exposure to blockchain-based ecosystems.

CloudFactory, Kathmandu (Remote) - QA   **July 2020 - June 2022**

- Performed end-to-end QA testing and annotation validation on large-scale image and video datasets using Dataloop, ensuring over 98% data accuracy for machine learning training.
- Helped improve and test labeling workflows, saving time and reducing mistakes.
- Provided real-time feedback to annotators and implemented data validation, improving accuracy during the annotation process

EDUCATION

Tribuwan University -Bachelor of Science in Computer Science and Information Technology (BSc.CSIT)   **Oct 2018 - April 2022**

- Gained strong foundations in programming (C, C++,C#, Java), Git (feature branching), and software engineering principles.
- Built a job portal app using React/React Native, Python and Firebase — practiced Agile (Scrum), collaborated in a team, and participated in mentor-led reviews.
- Also completed internships at reputed companies, gaining real-world exposure to development workflows and team dynamics.

DOMAIN EXPERIENCES

- Fleet Management Solutions, Web3, Quality Affiilate Digital Marketing, CMS, Data Annotation, Travel & Tourism

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TECHNICAL SKILLS

- **Frontend:** React JS, Next JS, Vite JS, React Native, Expo
- **Backend Services:** Firebase, Supabase, Node JS
- **Authentication:** Auth0
- **Deployment**: Github actions, Vercel, Netlify, AWS Amplify, Cloudfare
- **Networking Libraries**: Axios, Tanstack Query, SWR
- **Styling:** Tailwind CSS, Shadcn UI, Material UI, Daisy UI, SCSS, Styled Components
- **Testing:** Jest, React Testing Library
- **AI Tools:** Cursor, Chat GPT, Grok, Copilot, v0.dev
- **State Management Tools**: Redux, Context API, Zustand
- **Other Tools:** FlatFile, Git, REST APIs, Google Analytics, Inspectlet, BrowerStack, Figma, Lighthouse Audits, Jira, Trello, AirTable, Dataloop
- **Programming Languages:** Javascript (ES6+), TypeScript, HTML5, CSS3, C, C++, C#