SWOSTIKA LAMICHHANE

+1 (437) 818-5406 | swostikalamichhane61@gmail.com | swostikalamichhane.com.np | linkedin.com/in/swostikalamichhane

PROFESSIONAL SUMMARY

Frontend Software Engineer with 4+ years of experience designing and developing scalable, responsive web applications using React.js, Next.js, TypeScript, JavaScript, Redux, Tailwind CSS, and REST APIs. Experienced building reusable UI components, implementing secure authentication workflows, integrating real-time data using WebSockets, and optimizing application performance for high-traffic platforms. Strong background collaborating with cross-functional Agile teams including product managers, designers, QA engineers, and backend developers to deliver maintainable, user-focused software. Passionate about clean code, reusable architecture, accessibility, continuous improvement, and delivering reliable frontend solutions that enhance user experience.

SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Redux Toolkit, Material UI, Ant Design

UI Engineering: Reusable Component Development, Component-Based Architecture, Responsive Design, Mobile-First Development, Accessibility (WCAG), Design Systems, Figma

State Management: Redux Toolkit, RTK Query, Context API

API Integration: REST APIs, Axios, Fetch API, WebSockets

Performance Optimization: Lazy Loading, Code Splitting, Memoization, Rendering Optimization, Bundle Optimization

Testing & Quality: Jest, Selenium, Unit Testing, Debugging, Cross-Browser Compatibility

Development Tools: Git, GitHub, Bitbucket, Jira, Sentry

Development Practices: Agile Scrum, SDLC, Code Reviews, Version Control, Continuous Improvement

EXPERIENCE

IT and Application Design Assistant / Robotics Tutor September 2025 - December 2025

ICE Robotics Canada, Toronto, ON

- Developed and maintained responsive web pages for robotics education programs, improving usability and ensuring content remained current for students and instructors.
- Collaborated with instructors and technical staff to gather requirements, prioritize website updates, and deliver improvements within project timelines.
- Created interactive robotics and programming learning materials while providing technical support for Moodle LMS and classroom technologies.
- Troubleshot application and system issues, ensuring reliable operation of learning platforms and minimizing disruptions during workshops.

Frontend Engineer September 2022 - April 2024

Numeric Mind, Kathmandu, Nepal

- Developed secure, scalable frontend applications using React.js and TypeScript for healthcare solutions supporting role-based access control and audit workflows.
- Designed reusable React components and shared UI patterns for audit logs, dataset management, electronic case report forms, and administrative dashboards, improving maintainability across multiple modules.
- Integrated secure REST APIs using Axios to support data-intensive workflows while ensuring reliable communication between frontend and backend services.

- Worked closely with backend developers, QA engineers, designers, and product stakeholders throughout Agile sprint cycles, participating in sprint planning, backlog refinement, daily stand-ups, reviews, and retrospectives.
- Integrated Sentry monitoring and implemented automated testing using Jest and Selenium, reducing frontend issue resolution time by approximately 30% and improving release quality.
- Performed code reviews, resolved production issues, optimized application performance, and contributed to continuous improvements across the development lifecycle.

Front End Developer May 2021 - September 2022
Share Hub, Kathmandu, Nepal

- Built high-performance financial dashboards including Portfolio, Watchlist, Orders, Alerts, and Floorsheet for more than 100K users using React.js, TypeScript, Tailwind CSS, and Highcharts.
- Developed reusable frontend components that improved consistency, maintainability, and scalability across multiple application modules.
- Integrated REST APIs and WebSockets to deliver live market prices, trading data, technical indicators, and real-time user interactions.
- Implemented secure JWT authentication using protected routes, Axios interceptors, token refresh mechanisms, and role-based access control.
- Optimized application performance through code splitting, lazy loading, rendering optimization, and efficient state management, improving page responsiveness by approximately 25%.
- Collaborated closely with designers, backend engineers, QA teams, and business stakeholders in Agile Scrum environments to deliver production-ready software releases.

React Developer Intern January 2021 - April 2021
Sarobar Technology Pvt. Ltd., Kathmandu, Nepal

- Developed Login and Vendor Registration modules using React.js with client-side validation and reusable UI components.
- Converted Figma designs into responsive React interfaces for a Logistics Management System while following established UI standards.
- Integrated frontend components with REST APIs, resolved defects, and participated in code reviews and Agile development activities under senior developer guidance.

EDUCATION

Postgraduate Degree in Full Stack Development 2024 - 2025
Lambton College, Toronto, ON

Bachelor in Computer Science 2017 - 2022
Tribhuvan University, Kathmandu, Nepal