

Sworup Khatri

Software Developer

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About Me

Enthusiastic software developer with a strong academic foundation and hands-on experience in JavaScript, React, and full-stack development. I'm passionate about creating seamless web and mobile applications, with expertise in both front-end and back-end technologies. My focus is on continuous learning and contributing to innovative solutions in web and mobile app development.

Education

Kathmandu College of Technology

Bachelor of Computer Application, GPA: 3.28

December 2018 - December 2023 / Lokanthali, Bhaktapur

Skills

- Front-End: React.js, Next.js, Redux Toolkit, Redux Persist, Tailwind CSS
 - Mobile App Development: React Native, Google Maps Integration, FlatList, SectionList, Toast Notifications, Reanimated, Gesture Handler, Native Wind, React Native Paper, push notification
 - Back-End: MERN stack, MySQL (Sequelize ORM), TypeScript, Redis, Docker, github actions, firebase, push notification.
 - Authentication & Security: JWT, Cookies, Middleware, Google Auth
 - Cloud Services: AWS
 - Version Control: Git
 - API Development: RESTful APIs
 - Third-Party Integrations: Payment Gateways (eSewa, Stripe), Google Maps API
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Experience

React Native Developer | CS Sewa | Dec 2023 – Nov 2024

- Developed Android application for Chandrapur Ward to record household and family and organization data
- Use formic and yup for data validation and management.

- Implemented dynamic map feature in React Native with synchronized functionalities
- Optimized app performance with pagination and flatlist
- Implemented redux and redux toolkit for state management over entire application
- Manage Track point data in the map and show them the track in the google map with the help of polyline
- Collaborated with developers to meet project milestones efficiently
- Developed and deployed backend server on AWS EC2 along with Elastic IP

React Developer Intern | IT Hive Solutions | Dec 2022 – Apr 2023

- Implemented React components and features for website projects
 - Gained hands-on experience with React.js fundamentals and best practices
 - Collaborated on troubleshooting and website performance optimization
 - Contributed to prototype projects in the React ecosystem
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Projects

Web Projects

E-commerce App

- Developed a fully-featured e-commerce web application with integrated **eSewa** and **Stripe** payment gateways for diverse payment options.
- Deployed the frontend and backend on **Vercel** for efficient deployment and scalability.
- **Tech Used:** Next.js, Redux Toolkit, Tailwind CSS, TypeScript, Node.js, Express.js, MongoDB, RESTful API

Netflix Clone

- Built a Netflix-inspired streaming application using **React.js** and **Node.js**, with dynamic content powered by the **TMDB API**.
- **Tech Used:** React.js, Node.js, TMDB API

E-library (MERN Stack)

- Developed a full-stack e-library with unique **admin and user roles**. Admins can manage book content, while users can request, like, rate, and download books.
- Integrated a **recommendation system** to offer personalized book suggestions based on user ratings.
- **Tech Used:** MongoDB, Express.js, React.js, Node.js

Disney Clone

- Created a Disney+ streaming clone with **React.js** and **Firebase** for content and trailer display.
- **Tech Used:** React.js, Firebase

Node.js app

- Created a simple node.js app with typescript that shows a simple message which is deployed in vercel using github actions.
- **Tech Used:** Node.js, Vercel, github actions

Mobile App Projects

React Native E-commerce App

- Built a complete mobile e-commerce app with a custom backend for dynamic product handling and seamless payment integration.
- Leveraged **Redis** caching to enhance data retrieval and minimize server load.
- Integrated **Google Maps** for location-based features, such as address selection for enhancing user experience.
- Supported multiple payment gateways, including **eSewa** and **Stripe**, to provide diverse payment options.
- **Tech Used:** React Native, Redux Toolkit, Tailwind CSS, Node.js, Express.js, MongoDB, Redis

React Native Movie App

- Developed a mobile movie app in **React Native** displaying comprehensive movie information, including trailers.
- Integrated **Firebase Cloud Messaging (FCM)** to send custom push notifications from backend to UI, enhancing user engagement.
- **Tech Used:** React Native, Firebase, Redux Toolkit, Tailwind CSS, Node.js, Express.js, MongoDB

Achievements

Published Reliable Payment Integration Package

Created **rn-easy-nepali-epay**, an npm package for smooth integration with Nepali e-payment gateways (eSewa, Khalti) in React Native apps. Solves reliability issues in existing solutions, ensuring crash-free payment processing and easy setup for developers.

Key Achievements

- Improved stability during critical payment stages, boosting user trust.
- Enhanced developer experience with robust error handling and payment confirmation.