Sunil Khadka

Software Engineer

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Summary

Full-Stack Engineer with 2+ years of experience building complex web applications. Adept at identifying and resolving issues early through collaboration with development teams and clients. Expertise in creating web application using React.js and incorporating continuous integration tools like Jenkins.

Technical Skills

Frontend: React.js, Redux, JavaScript, TypeScript, HTML, CSS, SASS
Backend: Go
Database: MySQL
Developer Tools: AWS EC2, Git, Docker, Jenkins, Postman, Linux

Professional Experience

Software Engineer   Jul. 2022 – Apr. 2024
Machnet Technologies Inc.   *Bishalnagar, Kathmandu*

- Developed user interfaces for user management (e.g. dashboards, profile editing, permission management) and client onboarding (e.g. registration forms, confirmation pages, client info editing) systems using React.js and TypeScript.
- Enhanced application performance by integrating RESTful APIs with React Query for efficient fetching and caching of transaction data, resulting in a significant reduction in API calls.
- Streamlined form development using Formik and implemented robust input validation with Yup's schema-based approach. This ensured efficient data management and user experience with clear custom error handling.
- Developed user login and registration system which utilized JSON Web Tokens in the backend.
- Implemented CI/CD pipelines using Jenkins to streamline deployment of production-ready code to an AWS EC2 server instance.
- Played a key role in planning, estimating, and documenting client features, resulting in clear requirements and efficient development process.
- Mentored interns, providing guidance and assigning tasks, preparing them for the React.js and Golang project environment.

Software Engineer Trainee   Apr. 2022 - Jun 2022
Machnet Technologies Inc.   *Bishalnagar, Kathmandu*

- Developed web pages for a static website using HTML, CSS, SCSS and JavaScript.
- Developed responsive designs and layouts using media queries, allowing the website to adapt to any screen resolution
- Implemented image compression and format conversion using the imagemin library, and employed the lazy-loading technique, resulting in a significant 70% improvement in website loading speed.
- Integrated google analytics using google tag manager in the website which helped in tracking traffic and user activities on the website.

Projects

TabaPay Website | *HTML, CSS, SCSS, JavaScript, Docker, Git*

- Developed a landing website for a US based payment processing company using HTML, SCSS and JavaScript
- Implemented image compression library to reduce website loading time.

TabaPay Dashboard | *React.js, TypeScript, JavaScript, SCSS, Docker, Git*

- Developed forms to handle client onboarding, user registration, and transaction search features using Formik and Yup libraries.
- Implemented continuous delivery using Jenkins to build and deploy the site upon new release.

EDUCATION

National College of Computer Studies   Paknajol, Kathmandu
Bachelor's in Computer Application   *2018 - 2024*

Uniglobe Secondary School   Kamaladi, Kathmandu
+2, science   *2016 - 2018*

REFERENCE

Aakash Rai - Principle Software Engineer
Machnet Technologies Inc.
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