

# Sasmita Mahanta

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## PROFESSIONAL SUMMARY

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Product-focused Frontend Engineer with **3.8+ years of experience building scalable web applications and dashboard platforms using React.js, Next.js, and TypeScript**. Experienced in **REST API integration, state management (Redux Toolkit), and performance optimization** to deliver responsive and high-performance UI. Led development of an event platform serving **3,000+ users and 15+ administrators**, improving UI performance by **30%** and reducing load time by **20%**. Strong in **component-driven architecture, reusable UI systems, and cross-team collaboration**.

## EXPERIENCE

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### Front-End Developer (Remote)

*Netsqure*

Feb 2025 - Present

*Bangalore*

- Architected scalable Event Management Platform (3,000+ users, 15+ admins).
- Designed and implemented a scalable multi-tenant role-based dashboard supporting 15+ admins and 5+ event workflows, ensuring secure access control and modular feature isolation.
- Optimized application performance by implementing code-splitting, lazy loading, and API caching (SWR), reducing load time by 20% and improving rendering efficiency by 30%.
- Implemented **state management using Redux Toolkit and SWR**, improving API data caching and reducing unnecessary network requests.
- Built a dynamic, real-time calendar module with efficient state synchronization and conflict handling for concurrent scheduling.
- Collaborated closely with backend and design teams to deliver production-ready features in agile sprints.
- Integrated multiple RESTful APIs for event management, user authentication, and scheduling workflows.
- Developed responsive UI ensuring cross-browser compatibility across major browsers (Chrome, Firefox, Safari)
- Improved user experience by implementing loading states, error handling, and consistent data synchronization across modules

### Front-End Developer (Freelance & Contract)

*Remote*

Apr 2024 – Feb 2025

*Odisha, India*

- Developed modular School Management System with role-based access.
- Delivered dashboard features with reusable architecture and performance optimizations.
- Managed client communication and independent feature delivery.
- Implemented search, filtering, and pagination for efficient data handling in large datasets

### Front-End Developer

*Searching Yard Group*

Jun 2022 – Mar 2024

*Odisha, India*

- Built scalable dashboards for HRMS, CRM & E-Commerce platforms.
- Designed reusable component architecture using React & TypeScript.
- Reduced frontend load time by 20% through performance optimization.
- Implemented secure authentication and role-based workflows across internal systems.
- Designed scalable dashboard handling large datasets (10k+ records) with pagination, filtering, and search

## KEY PROJECTS

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### Event Management Platform (Production Scale)

- Built using Next.js, TypeScript, Redux Toolkit, and SWR
- Supported 3,000+ users and 15+ admins with role-based access control (RBAC)
- Designed scalable dashboard handling large datasets with pagination, filtering, and search
- Implemented API caching and revalidation (SWR) to reduce redundant API calls and improve performance
- Optimized rendering using lazy loading and code-splitting, reducing load time by 20%
- Handled edge cases like concurrent scheduling conflicts and real-time state updates
- Improved user experience by implementing efficient loading states, error handling, and data consistency strategies

### School Management System

- Developed a modular School Management System with role-based access for multiple user types (admin, teacher, student)
- Designed reusable component architecture to improve development efficiency and maintainability
- Optimized performance for large datasets using efficient rendering techniques
- Independently managed client requirements, feature delivery, and production deployment

## TECHNICAL SKILLS

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**Frontend:** TypeScript, JavaScript (ES6+), React.js, Next.js, HTML5, CSS3

**State Management:** Redux Toolkit, SWR, React Hooks, Context API

**API & Integration:** RESTful APIs, Asynchronous Programming

**Styling & UI:** Tailwind CSS, Material UI, Responsive Design

**Build Tools:** Webpack, Vite, Babel

**Testing:** Jest (Basic unit testing)

**Tools:** Git, npm, Yarn

**Core Concepts:** Performance Optimization, Code Splitting, Lazy Loading, Component Reusability, Role-Based Architecture

## EDUCATION

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**Sambalpur University Institute of Information Technology**

*Master Of Computer Application*

Sambalpur, Odisha, India

Jun 2018 – Jul 2021

**Nilakantheswara Degree Mahavidyalaya**

*Bachelor Of Science*

Angul, Odisha, India

Jun 2015 – Aug 2018