Vaskar Chandra Das

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Education

Master of Computer Application   Barrackpore, West Bengal
Swami Vivekananda University   *2024*

Experience

iRM Cloud   Sep 2023 – Present
Software Development Engineer   *Kolkata, West Bengal*

- Built an audit system with user access controls (**RBAC**) using **TypeScript**, **Next.js 14**, and **Node.js** to track and manage user activities.
- Worked on developing and maintaining **shareable components** within a **micro-frontend architecture** using **Nx**, ensuring reusability, scalability, and consistency across multiple applications.
- Implemented **NextAuth.js** with **Google 2FA** for secure, seamless app authentication.
- Built **design system** using **Storybook.js** and **React.js** for consistent UI and better team collaboration.
- Used **WebSockets** and **long polling** for **real-time** dashboard updates, reducing server load and improving response speed by **50**%.
- Designed and implemented a key **ITGC** system using **TypeScript**, **Next.js**, and **Node.js**, ensuring compliance and data integrity.
- Created various **user-friendly responsive** UI components using modern frontend libraries like **Mantine UI**, **shadcn/ui**, and **Bootstrap** for better **user experience** and **consistent** design across platforms.
- Built a dynamic **form builder** that allows users to **drag and drop** input fields, apply **validations**, and generate fully functional forms with ease.
- Developed a **document management system** with a **tree-structured** hierarchy for smooth file organization, quick navigation, and an intuitive user experience.

Technical Skills

Languages: TypeScript, JavaScript, Core Java, Python
Frontend : React.js, Angular, Next.js, Storybook, HTML, CSS , Redux, SCSS, Zustand
Backend : Express.js, Node.js, MySQL, MongoDB
Version Control: Github, Git
UI Library: Chakra Ui, Shadcn, Tailwind CSS, Mantine UI, Material UI
Testing: Unit Testing, Integration Testing, Jest & Vitest

Projects

ComponentForge | *Tailwind CSS, Next.js, TypeScript*   ○ github/code 🔗 componentForge.app
- Developed reusable UI components (Select, Input, Checkbox, Table, etc.) and a custom table hook with **filtering**, **search**, **sorting**, **pagination**, and **fuzzy search** features.

MoviePedia | *Sass & React.js*   ○ github/code 🔗 moviepedia.app
- Implemented **shimmer effect** for smooth loading. Applied **lazy loading** to images. Developed sophisticated **filtering** and **sorting** for dynamic movie **searches** based on various attributes.

Project Management API | *Node.js, Express.js, TypeORM, MySQL*   ○ github/code
- Designed and developed a robust **Node.js** backend API for project management, utilizing **TypeORM** and **MySQL**, with integrated **authentication**, **role-based authorization**, and full **CRUD** functionality for projects and tasks.

Neostack | *Node.js, Express.js, MongoDB, ReactJs*   ○ github/code 🔗 **neostack.app**
- Built a full-stack real-time chat application using **MERN**, **Socket.IO**, and **TailwindCSS**, featuring JWT-based authentication, online presence tracking, and image uploads via Cloudinary, while ensuring secure communication, efficient state management with **Zustand**, and a seamless user experience across devices.