Satpal Singh

satpal101786@gmail.com| 7814104770 | Mohali, Punjab, India | https://github.com/pcsatpals | Portfolio

SUMMARY

I'm a JavaScript developer with 3 years of experience building fast and scalable web applications using JavaScript, TypeScript, React.js, Next.js, and Node.js. Proficient in state management (Redux, Context API and Zustand), backend Integration (Firebase, Payload CMS), and creating user-friendly interfaces. Experienced in backend technologies Node.js, Express.js, MongoDB, NoSQL, and SQL.

EXPERIENCE

JavaScript Developer, Sookshum Labs   *Jan 2023 - Present*

- **Full-Stack Development:** Built and maintained scalable web apps using **Next.js, React.js, and JavaScript**, focusing on performance tuning.

- **State Management:** Optimized application efficiency by implementing **Redux, Context API, and React Query** for seamless data synchronization.

- **Performance Optimization:** Improved data retrieval speeds by over 90**%** through strategic caching and state-handling optimizations.

- **Quality Assurance:** Executed end-to-end testing and debugging to deliver highly reliable, production-ready code.

PROJECTS

Sookshum Labs (official website)

- Built scalable web applications using **Next.js**, **React.js**, **JavaScript**, **TypeScript**, **MongoDB**, **REST APIs.**

- Optimized UI/UX with **Tailwind CSS** and **Lottie animations**, improving performance via Next.js Image and **lazy loading**.

- Managed application state using React Context to ensure efficient data flow and component reusability.

Sookshum Labs portfolio

- Developed a dynamic, content-driven portfolio website using **Next.js**, **React.js**, and **TypeScript**, focusing on modular and scalable architecture.

- Integrated **Payload CMS** as a headless backend to manage content, with customizable collections and flexible schema definitions.

- Implemented a fully functional admin panel at `/admin`, enabling authenticated users to perform CRUD operations on projects through Payload's dashboard.

- Secured admin routes using Payload's built-in authentication system with role-based access control (RBAC).

DHP Admin App

- **Architected Digital Health Passport Dashboard** using **Next.js, React, and TypeScript** with secure **RBAC**, **2FA Auth and full CRUD** integration.

- **Built UI System with shadcn/ui**, designing reusable components, forms, and modals for a consistent admin experience.

- **Optimized Large Datasets** using **pagination and virtualization** to ensure high-performance rendering of health records.

TubeLight | Smart Video Streaming Platform

- **Built full-stack Next.js/Node.js app** using **Tailwind CSS** and **shadcn/ui** for a responsive, modern interface.

- **Optimized performance** with **TanStack Query** caching and **MongoDB/Mongoose** for scalable, fast data retrieval.

- **Automated deployment** to **Render**, streamlining production workflows and environment maintenance.

EDUCATION:

- **Bachelor of Computer Application (BCA)** | Punjabi University, Patiala | **78%** (2019 – 2023)

SKILLS:

- **Frontend:** JavaScript (ES6+), TypeScript, Next.js (SSR/SSG/ISR), React.js, Tailwind CSS, HTML5, CSS3.

- **State & Data:** Redux Toolkit, Zustand, React Context, TanStack Query.

- **Backend & DB:** Node.js, Express.js, MongoDB (Mongoose), Payload CMS, Firebase.

- **UI & Logic:** shadcn/ui, Material UI (MUI), TanStack Table, React Hook Form, Zod.

- **Tools & DevOps:** Git/GitHub, Vercel, CI/CD, REST APIs, NextAuth, Lottie

Languages:

English, Hindi, Punjabi