

Harpreet Singh

Full Stack Developer

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🧠 Skills

FRONTEND

Nextjs, Reactjs, Vite, Recoil, Sass, Redux, Zustand, Tailwind, Flowbite, Greensock, Framer Motion

Databases

MySQL, PostgreSQL, MongoDB, Firebase

BACKEND

Nodejs, Express, Nestjs, Hono, Mongoose, Prisma, Passportjs, Jest

MISCELLANEOUS

WebSockets, Docker, AWS, Redis, Socket.io, Connection Pooling In Serverless Env, OpenAPI, Swagger, Turborepo, Git

📁 Professional Experience

Deepdive Media Pvt. Ltd.,

Frontend Developer

08/2022 - 04/2024

Mohali, India

Deepdive's Internal Data Management and Analytics Dashboard

- Next.js Server-Side Rendering: Implemented Next.js server-side rendering, improving data report rendering speed by 35%, enhancing the user experience and increasing team efficiency by 25%.
- Technical Architecture Design: Led the design and implementation of the technical architecture in collaboration with managers, team leads, and designers, resulting in a 20% faster development cycle.
- Data Visualization: Integrated graphs and charts for better data visualization, enabling the user team to make decisions 30% faster.

Coupongini.com

- Blog Post Editor: Developed an extensible editor feature for writing blog posts from the backend, reducing dependency on third-party services and saving 15% in operational costs.
- Banner Upload Feature: Implemented a seamless banner upload feature from the backend, which decreased developers involvement by 40% and reduced time latency by 25%.
- Dynamic Coupon Rendering: Added a feature for displaying active events in the navigation bar and rendering coupons dynamically, cutting down the need for developer intervention by 35%.
- Site Performance: Conducted extensive lighthouse tests to ensure site reliability and performance, improving site load speed by 20% and enhancing user engagement by 18%.

Deepdive's Internal HR and Payroll Dashboard

- Employee Self-Service: Empowered employees to manage their HR tasks (e.g., time-off requests, pay slip access), reducing the administrative burden on HR staff by 30%.
- Biometric Attendance System: Integrated a biometric attendance system using facial recognition, which streamlined attendance tracking and improved accuracy by 40%, reducing instances of buddy punching and time theft by 50%.

Deepdive's Official Site

- Immersive User Experience: Utilized React Three Fiber and Three.js to create a visually stunning and immersive user experience on the company's official website, increasing user engagement by 25% and decreasing bounce rates by 15%.

Projects

Side Projects

MERN Chat Application

- Technologies Used: MongoDB, Express.js, React.js, Node.js, WebSockets
- Description: Developed a real-time chat application using the MERN stack. Features include user authentication, private messaging, group chats, and live notifications.
- Impact: Enhanced my skills in real-time communication and WebSocket programming, resulting in a highly responsive chat application that handles concurrent users efficiently.

Google Docs Clone

- Technologies Used: JavaScript, Node.js, WebSockets
- Description: Created a small clone of Google Docs, focusing on real-time file sharing and collaborative editing. Users can create, edit, and share documents in real-time.
- Impact: Strengthened my understanding of collaborative editing tools and real-time data synchronization, leading to a robust and user-friendly application.

Hono Medium Blog

- Technologies Used: TypeScript, Prisma, Next.js, Honojs, Editorjs, MySQL
- Description: Built a blogging CMS inspired by Medium, featuring rich text editing, image uploads, and SEO-friendly architecture. Users can write, edit, and publish blog posts seamlessly.
- Impact: Learned to work in a serverless environment with connection pooling, which improved the application's scalability and performance