

Ishmeet Singh

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Summary — A full-stack developer with 3+ years of experience in building scalable web apps using React.js, Node.js, and MongoDB. Skilled in real-time systems, accessibility, and performance optimization. Passionate about creating impactful, user-centric solutions

Skills

Back-End Node.js, Express, TypeORM, JWT, RESTful APIs
Front-End React.js, Tailwind CSS, Redux, Redux-Toolkit
Languages Javascript, Python, C++
Databases MongoDB, MySQL
Tools WebSockets, Electron.js, Chart.js, Selenium, FFmpeg, Mergely,

Experience

Magic EdTech

Jul 2022 – Present

Associate Software Engineer

- Engineered immersive virtual learning experiences by developing interactive 3D Mixed Reality (MR) applications using **Node.js**, **Socket.io**, and **AltspaceVR SDK**, enhancing student engagement in virtual classrooms.
- Built a comprehensive AI-powered writing assistant with a WYSIWYG editor (TinyMCE) using **JavaScript**, **Node.js/Express**, and **Passport.js/LTI** for secure LMS integration; included features like alt text generation, summarization, proofreading, and DEI suggestions.
- Developed and deployed a full-stack subtitle validation platform using **React.js**, **Node.js**, **SQL**, and automation tools like **Python**, **Selenium**, and **FFmpeg**; streamlined the transcription workflow, reducing manual efforts by **50**
- Created a role-based PWA for offline encrypted educational content delivery with **React.js**, **Node.js** and **Electron**, enabling real-time sync and content access without internet using Socket.io and secure USB distribution.
- Built and optimized a **React.js**-based assessment platform using **Tailwind CSS**, **Redux** and **Chart.js** for dynamic data visualizations, live chat/notifications and performance improvements via **lazy loading** and modular components.
- Implemented light/dark mode toggle, infinite scroll (lazy loading), and authorized routing for enhanced UX and seamless navigation. Integrated **RESTful APIs** using **Thunk** for efficient state and data management while reducing overall code complexity.

Magic EdTech

Feb 2022 – Jul 2022

Software Trainee

- Strengthened back-end development skills with **Node.js**, **Express.js**, and **MongoDB**, focusing on designing **REST APIs** and performing efficient **CRUD operations**.
- Conducted R&D on **Mixed Reality SDKs** to explore innovative ways of creating interactive educational tools within virtual environments.

Education

Guru Gobind Singh Indraprastha University

2018-2022

Bachelor of Technology in Computer Science and Engineering

Projects

Social Media Platform

- Developed a **MERN** social media platform with React.js, Tailwind CSS, and Redux for state management.
- Added dark/light mode, image uploads with React Dropzone, and file uploads using Multer.
- Built the back-end with Node.js, Express.js, and MongoDB, using Mongoose for database management.
- Secured authentication with **JWT** for login functionality.