

JASWINDER SINGH

Indian Institute of Technology Delhi

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PROFESSIONAL SUMMARY

Senior Software Engineer with expertise in React, Next.js, and Vue.js. Proven track record of architecting scalable solutions, leading development initiatives, and delivering high-quality web applications with cross-functional teams.

TECHNICAL SKILLS

Programming - JavaScript, TypeScript
Frontend - Next Js , React Js, Vue Js , HTML, CSS
Backend - Express, Node Js
Framework - Tailwind, Material UI , Vuetify, Docusaurus

Data-base - MongoDB, MySql
Project management tools- JIRA, Plane

EXPERIENCE

SQUARE YARDS
INCO AI (AI Interior Design Studio Application)

August 2023 - Present
(Gurugram)

- Architected and led development of a comprehensive AI-powered interior design visualization platform enabling users to transform room images with realistic furniture and decor
- Designed and implemented an intuitive design studio interface with interactive canvas functionality allowing users to place, resize, and layer furniture items with precision
- Built and optimized robust backend services in Node.js/Express that handle image processing, background removal, and integration with AI generation services
- Engineered scalable MongoDB data architecture to manage product catalogs, user designs, and render history with efficient data retrieval patterns
- Developed and optimized intelligent image processing pipeline including automated background removal, image transformation, and proper layering/z-indexing
- Successfully integrated with OpenAI's image generation API to transform user designs into photorealistic room visualizations with customizable style prompts

2DD Web Application

- Developed a sophisticated web application using Next.js and TypeScript, designed to display 2D drawings generated from 3D modeling software, enhancing visualization capabilities for users.
- Implemented advanced features including commenting, annotation, text writing, and drawing functionalities using React Konva library, significantly improving user interaction and collaboration.
- Led frontend development efforts, collaborating closely with cross-functional teams to implement interactive features and user interface enhancements, resulting in improved user experience and productivity.

Smart Agent & Blocks Web App

- Integrated Payment UI/API for subscription module using Vue.js, TypeScript, VueX
- Developed documentation website with Docusaurus and build upload functionality
- Led payload encryption implementation ensuring data security compliance

ALBANERO DEV PVT LMT
Helix Dashboard

January 2022 - July 2023
(Hyderabad)

- Designed Shopping Dashboard using Vue.js, VueX, Vuetify, and TypeScript
- Implemented role-specific permissions enhancing security and user access control

Data Mesh Platform

- Led development of data migration platform using React.js and Material UI
- Reduced data transfer complexities and improved operational efficiency for clients

ACADEMIC DETAILS

Degree/Board	Institute/School	Year
B.Tech in Textile & Fiber Engineering	Indian Institute of Technology, Delhi	2021
Senior Secondary, CBSE	Kendriya Vidyalaya No.2 , Patiala	2016
Secondary, CBSE	Kendriya Vidyalaya No.2 , Patiala	2014