

Satwant Sran

Full Stack Developer | React.js | Node.js | Next.js | TypeScript | django

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Professional Summary

Full Stack Developer with 5+ years of experience designing, developing, and deploying scalable web applications using React.js, Next.js, Node.js, Express.js, Django, and modern databases like MongoDB and PostgreSQL. Skilled in RESTful API development, authentication (JWT, OAuth), state management (Redux, Zustand), and CI/CD pipelines. Proven ability to deliver responsive, high-performance apps using Tailwind CSS, TypeScript, and cloud platforms (Vercel, Render).

Professional Experience

Senior Quality | Manufacturing Engineer | Manager
Ultimate Solutions Corp. — San Jose, CA (1999 – June 2023)

- ✚ Developed an internal Quote Generation System for PCB Assembly with tiered pricing and delivery options, reducing manual quoting time by 60%.
- ✚ Built a real-time, role-based MPI Creator System improving engineering efficiency by 30%.
- ✚ Automated process tracking and BOM comparison tools using React, Node.js, MongoDB, improving data accuracy and reducing errors.
- ✚ Developed internal web tools for quoting, assembly tracking, and process automat. (e.g., BOM Comparison, Component Count Analyzer).
- ✚ Led electronics manufacturing operations managing cross-functional teams delivering high-quality PCBA products.

Selected Projects

- ❖ Professional Invoice Management System — (Next.js 15, TypeScript, MongoDB, Tailwind CSS) : Invoice management app with real-time dashboards, customizable templates, secure authentication. PDF export.
- ❖ E-commerce Platform — (React, Node.js, MongoDB, Stripe, Redux Toolkit) : End-to-end e-commerce solution with Stripe payments, product catalog, and admin dashboard.
- ❖ Netflix Clone — (React, Zustand, TMDB API, Node.js, MongoDB) : Full-stack streaming app with search, authentication, and personalized recommendations.
- ❖ Real-Time Chat App — (MERN, Socket.io, Zustand, Tailwind CSS, Vite): Modern real-time chat application with instant messaging, presence indicators, and secure authentication. Deployed with backend (Render) and frontend (Vercel).

Technical Proficiencies

Frontend: React.js (18+), Next.js (13/14/15), Tailwind CSS, HTML5, CSS3, Framer Motion, shadcn/ui
Backend: Node.js, Express.js, Django, RESTful APIs, JWT, SSR (Next.js)
Databases: MongoDB (Atlas, Mongoose), PostgreSQL, SQL

Technical Highlights

React.js, Next.js, JavaScript (ES6+), TypeScript, Node.js, Express.js, Django, MongoDB, PostgreSQL, Tailwind CSS, HTML5, CSS3, REST APIs, Zustand, Redux, JWT, Socket.io, Vite, Webpack, Git, GitHub, Postman, Cloudinary, Stripe, Responsive Design, Performance Optimization.

Tools & Platforms

Git & GitHub, VS Code, Cursor, Postman, Vercel, Render, Webpack, Vite

Soft Skills

Problem-solving, Collaboration, Attention to detail, Project leadership

Education

Bachelor of Mechanical Engineering
GNE Engineering College, Bidar, India
(1988 – 1992)