





Ajay Pratap Singh


Mern Stack Developer


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FREELANCE EXPERIENCE

SinTech Works (June 06, 2023 -
LLP December 25, 2024)

Mern Stack
Developer

- Developed and optimized RESTful APIs using Node.js, Express.js, and MySQL, reducing response times by 40%.
- Improved page load speed by 30% using AWS CloudFront & caching techniques.
- Developed frontend components in React.js , Next.js and Redux Toolkit, achieving a 95+ GTMetrix performance score.
- AWS ecosystem - S3 , CloudFront , Route 53 , Amplify , EC2
- Designed and implemented real-time features using Socket.io, enhancing user engagement.

EDUCATION

J.S. University (May 01, 2022
Bachelor of Technology (- April 06,
B.Tech), Computer 2025)
Science GPA : 7.3

Dr . Bhimrao (April 19, 2018 -
Ambedkar University, April 19, 2020)
Agra
Bachelor of Science

FRONTEND DEVELOPMENT:

HTML	CSS
JavaScript	React.js
Next.js	Redux Toolkit
Redux Persist	Tailwind CSS
Bootstrap	

BACKEND DEVELOPMENT

Node.js	Express.js
MySQL	MongoDB
REST APIs	Socket.io

OTHER TOOLS & TECHNOLOGIES

TypeScript	SQL
Puppeteer	Formik
AWS	Git
Swagger API	
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Problem-Solving

Debugged complex React/Node.js applications.

Team Collaboration

Worked with cross-functional teams to develop scalable apps.

Full Stack Developer with 1.5 years of freelance work in MERN stack development, specializing in React.js, Next.js, Node.js, Express.js, and MongoDB. Skilled in AWS ecosystem (S3, CloudFront, Route 53, Amplify, EC2) for high-performance, scalable applications. Expertise in RESTful API development, real-time features with Socket.io, and optimizing performance (90+ GTMetrix score). Passionate about cloud computing, DevOps workflows, and automation.

FREELANCING PROJECTS

ElectroCart WebApp

Electrocart is a full-featured e-commerce platform built using the MERN stack for the web

Admin Control Features

- Menu, Submenu , Banner Carousel and Testimonial Management** : Full control from Admin Panel over creating and managing Dynamic content & CRUD operations
- Product Filters:** Configure Product filters by category, color, size ,Dynamic filter CRUD operations.
- Product Specifications: Colors , Fabrics , Size Management** : Each product can be associated with multiple color options & fabric types. Products can have individual size options, with specific quantities, MRP, & discount %. Images uploaded via AWS S3.
- Debounced Product Search:** search through the entire product catalog efficiently.

User-Facing Features:

- Real-Time Order Tracking using Socket.io:** Orders placed by users are shown in the "Admin's Placed Orders."
- Wishlist & Cart:** Fully functional wishlist and shopping cart.
- Payment Gateway:** Integrated with Razorpay for secure payment processing.
- User Dashboard:** Personalized dashboard for users to manage their orders, wishlists, and account details.

Performance Optimization Overview

- GTMetrix Score:** Achieved an A grade with a 95% performance score.
- AWS CloudFront Integration:** Configured CloudFront to enhance performance by leveraging edge caching and optimized content delivery.

<https://github.com/apsingh03/ElectroCart>

<https://electrocart.sintechworks.com/>



WearKart Web & Android App

WearCraft is a full-featured e-commerce platform built using the MERN stack for the web and React Native for mobile.

- Offline State management using Redux Persist** : The App efficiently caches and syncs data with the API when the internet reconnects. This ensures users have a smooth experience even during network transitions.
- Skeleton UI , Route Guarding , Debounced Search , Drawer Screen & Bottom Tab Navigator**

<https://wearkart.sintechworks.com/>

<https://github.com/apsingh03/ClothingEcommerce>



Sinbit Trades Blogging WebApp

Its a Crypto Blogging Platform with Admin Panel

- GTMetrix Score:** Achieved an A grade with a 100% performance score. , Developed a Position Sizing Crypto Calculator , Responsive Design

<https://sinbittrades.sintechworks.com/>



PERSONAL PROJECTS

ColdMailBot

Coldmail is a Automated LinkedIn Messaging Bot using Puppeteer

- Automates login, navigates to connections, and opens profiles in new tabs.
- Sends personalized messages and stores profile URLs in MongoDB to prevent duplicate messaging and spamming.
- Implements randomized delays ensuring each profile interaction takes around 3 minutes to bypass LinkedIn's bot detection.

<https://github.com/apsingh03/coldMailBot>



BeautyBaazar

Its a beauty Products Store

- Responsive Design , Admin Panel ,

<https://beauty-baazar.vercel.app/>

