SUDARSH P S

MERN Stack Developer

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PROFILE SUMMARY

A self taught MERN stack developer who is passionate about coding and problem solving, Prioritizes in crafting clean and efficient code while continuously seeking opportunity to expand knowledge and stay updated with emerging technologies.

Projects

QuickWheels

Car Rental Web Application

A comprehensive car rental platform designed to serve both users and hosts. The application allows users to seamlessly rent cars for specific time periods while providing an opportunity for individuals to become hosts and list their own cars to generate income.

- Developed with **React**, **Node.js**, **Express**, **TypeScript**, **MongoDB** and State Management with **Redux**.
- Implemented **JWT** and real-time chat with **Socket.IO**
- Integrated **TypeScript** to enhance type safety and maintainability. Leveraged TypeScript's static typing capabilities to ensure robust backend and frontend code, improving development efficiency and reducing runtime errors.
- Employed **Tailwind CSS** for an attractive interface, **RESTful API** for smooth integration
- Utilized **AWS S3** for secure and scalable media storage.
- Integrated **Geoapify API** for fetching location details and **Razorpay** for seamless payment processing.
- The backend is hosted on **AWS EC2**, utilizing its scalable infrastructure, while the frontend is deployed on **Vercel** for efficient deployment and management. **Nginx** serves as a reverse proxy, effectively managing traffic between the backend and frontend to enhance performance and responsiveness.

Technologies Used: Node.js, Express.js, TypeScript, React.js, Redux, MongoDB, AWS S3 Bucket, Razorpay, Google Auth, Socket.io, Tailwind CSS, Git,Geoapify

Apollo Furniture

E-Commerce Platform

An E-Commerce platform specializing in the sale of furnitures, offering various features such as shopping cart, wishlist, digital wallet, image cropping functionality, user profiles, category management. Additional features encompass live blocking, discount coupons, detailed sales reports and an administrative dashboard with dynamic graph representations.

- Established Apollo Furniture, specializing in the sale of furnitures, using MongoDB, Express.js, EJS and Node.js.
- Implemented advanced features such as product filtering, cart management, coupons, wishlist, order and category management.
- Integrated **Nodemailer**, a Node.js module to streamline email communication within the project.
- Enabled **Razorpay** integration to facilitate smooth online payment processing, ensuring secure and hassle-free transactions for users.
- Implemented **Cropper.Js** for image cropping functionality.
- Deployed the application on an **AWS EC2** instance, leveraging the robust infrastructure of Amazon Web Services for reliable and scalable performance.
- Utilized **Nginx** as a proxy server to efficiently route incoming requests and enhance the application's responsiveness.

Technologies Used: Node.js, Express.js, MongoDB, EJS, Nodemailer, Cropper.Js, Razorpay, Bcrypt, Git, Nginx

MINI PROJECTS

Netflix Clone
Built a Netflix-like web application using **ReactJS** with a modern and responsive user interface. The backend is powered by **Firebase** for real-time data storage and authentication. Integrated **TMDb API** to fetch detailed movie information and YouTube to enable users to watch movie trailers seamlessly.

To-Do App
Developed a simple To-Do app using **ReactJS**, featuring a clean and intuitive interface for managing tasks. Focused on functional components, state management, and responsive design for an optimized user experience.

OLX Clone
Developed an OLX clone using **ReactJS** for the frontend and **Firebase** for backend services, including real-time database and authentication. The application allows users to post, browse, and manage classified ads, mimicking the core functionality of the OLX platform. Focused on responsive design and seamless user experience.

Technical Skills

Languages: JavaScript, TypeScript, Node.Js, HTML, CSS
Frameworks And Libraries: Express.js, React, Redux Toolkit, EJS, Tailwind CSS, Socket.IO, Bootstrap
Databases: MongoDB, PostgreSQL
Familiar With: AWS EC2, S3, Nginx, Figma, Data Structures, Postman, Git

Education

MERN Stack Development   **2023 – Present**
Brototype, Calicut

B.Com(Computer Application)   **2018 – 2021**
University of Calicut