



# Sasi Neelakandan

## MERN STACK DEVELOPER

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### PROFILE SUMMARY

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MERN Stack developer with a strong foundation in building scalable web applications. Experienced in designing RESTful APIs and deploying cloud-based solutions. Focused on contributing to the development of impactful and efficient applications.

### TECHNICAL SKILLS

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**Language:** Javascript, Typescript

**Backend:** Node.js, Express.js, Microservices architecture

**Frontend:** React, React-Redux, Next.js, Tailwind CSS, Material-UI, HTML, CSS

**Database:** MongoDB, PostgreSQL, Firebase

**Integrations:** Razorpay, PayPal, PayU, AWS S3, Nodemailer, Multer, Socket.IO, Kafka

**Deployment:** AWS EC2, NGINX, Vercel,

**Developer Tools:** Git, Docker, Kubernetes, GitHub Actions, Postman, Figma, Moonmodeler, CI/CD

### PROJECTS

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#### docreserva.site - Apoinment Booking Application

[Live Link](#) | [GitHub](#)

Developed a doctor appointment booking application that allows users to book appointments, send real-time messages to doctors, and receive prescriptions. Integrated real-time video call functionality using JegoCloud for virtual consultations. Included location tracking using OLA Maps to view clinic locations. Designed to provide a seamless user experience, ensuring smooth and dynamic interactions between doctors and patients.

- **Architecture :** The project follows a monolithic architecture for simplified development and deployment.
- **Real-Time Messaging :** Integrated real-time chat using **Socket.IO** to enable instant communication between doctors and patients.
- **Real-Time Features :** Video call functionality implemented using **JegoCloud** to enable seamless virtual consultations.
- **Location Tracking :** Integrated **OLA Maps API** to view and locate nearby clinics.
- **Styling :** **Tailwind CSS** and libraries like **Material-UI** for an interactive and vibrant user interface.
- **State Management :** Used **Redux** and **Redux Toolkit** for global state management.
- **Prescriptions :** Doctors can send digital prescriptions to patients directly through the application.
- **Payments :** Integrated **PayU** payment gateway for booking appointments.
- **Messaging :** Real-time messaging system powered by **Socket.IO**, allowing seamless doctor-patient communication.
- **CI/CD :** Used **GitHub Actions** to automate the build and deployment process.
- **Technologies Used :** **React - Next.js** | **Node.js-Express.js** | **MongoDB** | **JegoCloud** | **Socket.IO** | **PayU** | **OLA Maps API**

#### bigbags.site - E-Commerce Application

[Live Link](#) | [GitHub](#)

Developed a secure e-commerce platform for selling Bags, featuring smooth product browsing, different categories, and secure payment processing. The platform provides an intuitive interface, ensuring a seamless shopping experience from product selection to checkout.

- **Authentication :** Sign-up, Login, Google-login ,forgot password. Used **Nodemailer** for OTPs. And **JWT** for authentication
- **Invoice :** Invoice download for the listed orders - used **PDFKit**

- Payment Gateway : Used **Paypal** as integrated payment gateway.
- Dashboard : Display data in 2 different kinds of charts using **Chart.js**. Details about the users, orders and category/products listed.
- Banner Management : Banner image management with crop option for the admin- used **Cropper.js**.
- Category, product ,coupon and offer management : Basic CRUD operations. Used **Multer** to upload images.
- Sales management : Sales report with date filters- used **exceljs** for sales-report in excel format.
- Technologies Used : **Node.js-Express.js** | **EJS (Template Engine)** | **Mongodb** | **AWS- EC2**

## MINI PROJECTS

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### User Management System

[GitHub](#)

- Developed a user management system using React for the front-end and Node.js with Express for the back-end.
- Implemented JWT-based authentication for secure login and session management, ensuring user data protection.
- Integrated Cloud MongoDB with MongoDB Atlas for efficient database handling, supporting operations like user creation and updates.
- Provided admin functionality to manage users, including image uploads, editing, and deletion with complete CRUD capabilities.
- Technologies Used : **Node.js-Express.js** | **React** | **MongoDB**

### Netflix-Clone

[GitHub](#)

- Built a Netflix clone with a powerful movie search feature using Gemini AI for accurate and efficient results.
- Integrated TMDb API to display real-time movie posters and titles, enhancing the browsing experience.
- Implemented Firebase authentication for secure user registration and login functionality.
- Created a user-friendly interface for seamless exploration of movies and shows.
- Technologies Used : **React** | **Firebase** | **GeminiAI**

### OLX-Clone

[GitHub](#)

- Built a Netflix clone with a powerful movie search feature using Gemini AI for accurate and efficient results.
- Integrated Firebase authentication to ensure secure user login and account management.
- Used Firebase Storage to handle and store images uploaded by users with their ads.
- Designed a simple and intuitive interface for users to create, view, and manage their ads easily.
- Technologies Used : **React** | **Firebase**

## EXPERIENCE

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### Quality Control Engineer (Texmo-Goundampalayam)

2021 – 2022

Texmo industries coimbatore,

### Incharge-Lacercutting

2022 – 2023

New Disigns, Tiruppur

## EDUCATION

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### MERN STACK Development

2024 – Present

Brototype, Coimbatore