

Sangeetha Kamaraj

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Professional Summary

Enthusiastic and detail-oriented MCA graduate with a comprehensive training in MERN stack development. Adept at building scalable and responsive web applications using MongoDB, Express.js, React, and Node.js. Possesses strong problem-solving skills and a passion for creating efficient and user-friendly solutions. Eager to contribute to a dynamic development team and grow as a MERN Stack Developer.

Key Skills

- **Programming Languages:** JavaScript, HTML, CSS
- **Web Development:** MERN Stack (MongoDB, Express.js, React, Node.js), RESTful APIs
- **Database Management:** MongoDB, SQL
- **Tools & Technologies:** Git, Docker, Postman, Heroku
- **Soft Skills:** Problem-solving, teamwork, communication, adaptability
- **Recruitment Skills:** Talent acquisition, technical interviewing, industry trends

Academic Projects

E-commerce Platform

Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)

- Developed a full-stack e-commerce application allowing users to browse products, manage a shopping cart, and process payments.
- Implemented user authentication and authorization features with JWT and secure password hashing.

Real-Time Chat Application

Technologies: Node.js, Express.js, Socket.io, React

- Built a real-time chat application enabling users to send and receive messages instantly with WebSocket technology.
- Designed an intuitive user interface with React and managed chat data with MongoDB.

Task Management System

Technologies: MERN Stack (MongoDB, Express.js, React, Node.js)

- Created a task management application allowing users to create, update, and track tasks with a user-friendly interface.
- Implemented CRUD operations and state management using React hooks and Redux.

Certifications

- **MERN Stack Development:** Completed an intensive course on MERN stack development from Guvi, gaining hands-on experience with full-stack application development.

Education

Master of Computer Applications (MCA)

Anna University, Chennai

2013-2016

Bachelor of [Your Major]

Periyar University, Salem

2009-2012

Technical Skills

- **Front-End:** React.js, HTML5, CSS3, Bootstrap
- **Back-End:** Node.js, Express.js
- **Database:** MongoDB, SQL
- **Version Control:** Git, GitHub
- **Deployment:** Netlify, Vercel

Projects

Bulk Email Tool

Role: Full Stack Developer

Project Description:

Developed a comprehensive Bulk Email Tool designed to streamline email campaigns for users, providing functionality for template creation, recipient management, and email delivery tracking. The application supports secure user authentication, dynamic content customization, and real-time status notifications.

Key Features:

- **Email Template Management:** Enabled users to create and customize email templates with personalized content, including text, images, and links.
- **Recipient Management:** Implemented functionality for users to upload or import recipient lists and manage large email distributions efficiently.

- **Email Delivery Tracking:** Integrated tracking features to monitor email delivery, open rates, bounce-backs, and unsubscribes.
- **Error Handling:** Provided clear notifications and error messages for issues during file uploads and other critical operations.
- **User Alerts:** Implemented notification alerts for email delivery status and important events to keep users informed about their campaigns.

Technologies Used:

- Frontend: React.js, CSS frameworks (Bootstrap), Formik for form management and validation, React Router for client-side routing, Redux/Context API for state management.
- Backend: Node.js, Express.js for RESTful APIs, MongoDB for data storage, JWT for authentication, Bcrypt for password hashing, and middleware for role-based access control.
- Deployment: Deployed frontend application on Netlify and backend application on Render.

Responsibilities:

- Design Phase: Created wireframes and layout sketches focusing on usability and responsive design.
- Frontend Development: Developed interactive UI components using React.js, managed form state and validation with Formik, and handled routing with React Router.
- Backend Development: Set up RESTful APIs using Node.js and Express.js, implemented user authentication and data management with MongoDB, JWT, and Bcrypt.
- Functionality Implementation: Integrated features for email template creation, recipient management, email sending, and tracking.
- Deployment and Maintenance: Managed deployment processes on Netlify and Render, ensured smooth integration between frontend and backend components.

Achievements:

- Successfully designed and implemented a full-stack application that meets user needs for bulk email management.
- Improved user experience with a responsive and intuitive interface, resulting in efficient email campaign management.
- Enhanced security and performance through robust authentication mechanisms and efficient data handling.

Project: Hotel Booking Application

Description: Developed a full-featured Hotel Booking Application that allows users to search for hotels based on location, view booking details, and manage their reservations. The application provides an intuitive interface for users to interact with and seamlessly integrates with a backend API for real-time data retrieval.

Key Features:

- Hotel Search: Implemented a search functionality that allows users to find hotels based on their preferred location using an Autocomplete component.
- Booking Management: Enabled users to view their existing bookings in a modal, with options to cancel reservations.
- User Authentication: Provided sign-up and login modals for user authentication and session management.
- Responsive Design: Ensured a responsive and user-friendly interface using Material-UI components, including Grid2 for layout management and AppBar for navigation.

Technologies Used:

- Frontend: React, Material-UI (MUI), Axios for API calls, React Router for navigation.
- Backend: Node.js, Express (implied by the use of API endpoints, though details are not specified in the description).
- Other Tools: Git for version control, npm for package management.

Responsibilities:

- Developed and maintained React components for the booking interface and modals.
- Integrated with the backend API to fetch hotel data and handle user bookings.
- Implemented state management for user sessions and booking details.
- Ensured code quality and best practices through code reviews and testing.

Achievements:

- Improved user experience by implementing a responsive and interactive UI.
- Successfully integrated with backend services to provide real-time hotel search and booking management.
- Enhanced user engagement through intuitive navigation and dynamic data handling.

Razorpay

Role: Full Stack Developer

Project Description:

This project aims to implement a robust payment processing solution using Razorpay, a leading payment gateway in India. The system is designed to facilitate seamless and secure online transactions for users, allowing businesses to accept payments via multiple methods, including credit/debit cards, UPI, and digital wallets.

Key Features:

- Users can register and log in securely using email and password.
- Session management to ensure user authentication for transactions.
- Integration of Razorpay's API for processing payments.
- Support for various payment methods, including UPI, cards, and wallets.
- An intuitive and user-friendly interface built with React.
- Dynamic form handling for payment details and user inputs.
- Users can select services or products and proceed to payment.
- Real-time booking confirmation with detailed order summaries.
- Users can view their past transactions and booking details.
- Admin panel to manage and monitor bookings and payments.
- Comprehensive error handling for payment failures and user inputs.
- User-friendly messages to guide users through the process.
- Compliance with PCI DSS standards for secure payment processing.
- Use of HTTPS to ensure secure data transmission.
- The application is deployed on a cloud platform (like Heroku, AWS, etc.) for accessibility and scalability.

Technologies Used:

- **Frontend:** React, Material-UI
- **Backend:** Node.js, Express.js
- **Database:** MongoDB (or any other database of your choice)
- **Payment Gateway:** Razorpay API
- **Others:** Axios for API calls, JWT for authentication, etc.

Responsibilities:

- **Design Phase:** Designed wireframes and user flows to enhance user experience and streamline navigation.
- **Frontend Development:** Developed responsive UI components using React Native, focusing on performance and user engagement.

- **Backend Development:** Implemented RESTful APIs with Node.js and Express.js, ensuring secure user authentication and data management with MongoDB.
- **Functionality Implementation:** Integrated features for order placement, payment processing, and real-time updates on delivery status.
- **Deployment and Maintenance:** Managed deployment processes on Netlify and Render, ensured smooth integration between frontend and backend components.

Achievements:

- The goal of this project is to provide a reliable and efficient payment solution for businesses, enhancing the user experience while ensuring secure transactions.
- By integrating Razorpay, the system aims to simplify the payment process for users and businesses alike, driving higher conversion rates and customer satisfaction.

Snap

Role: Full Stack Developer

Project Description:

The Snap project is an innovative instant messaging application designed to facilitate seamless communication among users. Inspired by popular messaging platforms, Snap offers a rich set of features to enhance user interaction, privacy, and multimedia sharing, making it a go-to platform for casual and professional conversations.

Key Features:

- Users can register and log in securely using email and password.
- Session management to ensure user authentication for transactions.
- Integration of Razorpay's API for processing payments.
- Support for various payment methods, including UPI, cards, and wallets.
- An intuitive and user-friendly interface built with React.
- Dynamic form handling for payment details and user inputs.
- Users can select services or products and proceed to payment.
- Real-time booking confirmation with detailed order summary.
- Users can view their past transactions and booking details.
- Admin panel to manage and monitor bookings and payments.
- Comprehensive error handling for payment failures and user inputs.
- User-friendly messages to guide users through the process.
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Technologies Used:

- **Frontend:** React, Material-UI
- **Backend:** Node.js, Express.js
- **Database:** MongoDB (or any other database of your choice)
- **Payment Gateway:** Razorpay API
- **Others:** Axios for API calls, JWT for authentication, etc.

Responsibilities:

- **Design Phase:** Created wireframes and interactive prototypes focusing on user experience and visual appeal.
- **Frontend Development:** Developed responsive UI components using React Native, ensuring cross-platform compatibility and managing application state with Redux.
- **Backend Development:** Set up RESTful APIs using Node.js and Express.js, implemented user authentication and data management with MongoDB, JWT, and Bcrypt.
- **Set up RESTful APIs using Node.js and Express.js, implementing user authentication and secure data storage with MongoDB. Integrated real-time messaging functionality using Socket.io, enhancing user engagement through instant communication.**
- **Deployment and Maintenance:** Managed deployment processes on Netlify and Render, ensured smooth integration between frontend and backend components.

Achievements:

- The Snap project aims to deliver a secure and engaging messaging experience that promotes meaningful connections among users.
- By leveraging modern technologies and focusing on user-centric design, Snap aspires to become a reliable platform for personal and professional communication.

Additional Information

- **Languages:** English (Fluent), [Other Languages]
- **Interests:** Coding, Technology Trends, Open Source Contributions