

SAI SUBRAHMANYAM MAHADASA

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Frontend Developer | Full Stack Developer | Senior Web Applications Developer

Driven software developer with over 4 years of experience creating high-performance, user-centric web applications. Skilled in building scalable, secure, and responsive solutions with a solid foundation in JavaScript, React.js, Python, and Node.js. Strong background in AWS, cloud infrastructure, API integrations, and modern development frameworks. Recognized for enhancing user experiences, optimizing performance, and delivering successful projects in healthcare, fintech, and blockchain.

PROFESSIONAL EXPERIENCE

FULL STACK DEVELOPER

Aug 2024 - Present

Our National Conversation | Los Angeles, US

Led the development of a dynamic news aggregation platform using Node.js and React.js, integrating multiple News APIs to deliver real-time, personalized news content based on user preferences and search queries.

Efficiently integrated RESTful News APIs, ensuring seamless retrieval and display of up-to-the-minute headlines, articles, and multimedia content. Implemented data caching to optimize API performance and reduce response times.

Architected end-to-end solutions, managing both front-end user interfaces with React.js and robust back-end services in Django. Ensured scalable, maintainable code structures for enhanced user experience and API interaction.

Delivered fully responsive and mobile-optimized web applications, ensuring smooth interaction across devices and platforms. Employed modern front-end technologies like Tailwind CSS and React hooks to enhance UI/UX.

FRONTEND DEVELOPER

Feb 2022- Jun 2023

Rapid Innovations | Noida, India

Developed high-performance, responsive user interfaces for (DAPPS) Web3 applications, including an NFT marketplace and Radius Protocol, using React.js and TypeScript, Redux, enhancing user engagement and ensuring seamless interactions with blockchain features.

Developed and integrated complex Web3 functionalities, such as wallet connections (MetaMask, WalletConnect, Coinbase) and smart contract interactions for token transactions, which enabled users to effortlessly manage

digital assets within a decentralized environment.

Utilized GraphQL and Redux to efficiently manage and synchronize data between frontend components and blockchain nodes, providing real-time updates on transaction statuses and ensuring a seamless, state-driven user experience.

Collaborated with blockchain engineers to design and deploy secure and efficient smart contracts, directly supporting NFT minting, staking, listing, and trading features, while adhering to industry security standards and optimizing gas usage.

Implemented reusable, themeable components with Styled Components, creating a cohesive and accessible UI across different devices and contributing to a polished and visually consistent user experience in Web3 applications.

Enhanced blockchain integration with Web3.js, improving transaction success rates by 25% through seamless MetaMask interaction.

Streamlined state management and data fetching using Redux and GraphQL, reducing load times by 40%.

FRONTEND DEVELOPER

Mar 2020- Jan 2022

Multiplier AI Solutions | Hyderabad, India

Designed and developed interactive, responsive UIs using React.js, Styled Components, and Tailwind CSS, improving patient satisfaction and reducing support costs.

Developed secure RESTful APIs with Node.js and Express.js, Java SpringBoot for patient service applications, implementing JWT for user authentication and reducing unauthorized access.

Streamlined data management with MongoDB and Redux, enhancing application performance, and scalability and reducing downtime by 40%.

Deployed healthcare web applications on AWS cloud services, optimizing for performance and scalability, leading to a 20% boost in page load speed.

Improved user engagement by building dynamic, user-friendly web applications, resulting in a 15% reduction in bounce rates and a 10% increase in patient retention.

Led code optimization and security initiatives, ensuring secure data handling and reducing reported vulnerabilities by 30%.

Integrated localization features to support multiple languages, including LLCC to ENUS transitions, enhancing accessibility for global users.

EDUCATION

Masters in Computer Science | Avila University (2023 - 2024) | CGPA (3.5/4.0)
Bachelors in Computer Science | Kakinada Institute of Engineering and Technology (2016 - 2020) | CGPA (7.2/10)

TECHNOLOGICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java

Frontend: React.js, Next.js, HTML5, CSS3, SASS, Bootstrap, Styled Components, Tailwind CSS

Backend: Node.js, Express.js, Django, Spring Boot, RESTful APIs, MongoDB, Redis, WebSockets

Cloud & DevOps: AWS (EC2, S3), Heroku, Netlify, CI/CD, Docker, Git, GitHub

Testing & Optimization: Jest, Webpack, GraphQL, Postman

Specialized Skills: Blockchain (Web3.js), API Integrations (REST, GraphQL), Microservices Architecture, Performance Optimization

AREAS OF EXPERTISE

Proficiency in HTML/CSS • JavaScript Expertise • Experience with React.JS • Node.js • Express.js • Mongo DB

- AI Integration • Responsive and Adaptive Design • Proficiency in CSS Preprocessors (SASS, LESS) • Version Control with Git • Familiarity with Frontend Build Tools (Webpack, Babel) • React Query • Forms Using React-form-hook and zod • State Management (Redux) • UI/UX Design Principles • Proficiency in TypeScript • API Integration (RESTful, GraphQL) • Knowledge of Testing Frameworks (Jest, Mocha) • Experience with Responsive Frameworks (Bootstrap, Tailwind CSS) • Blockchain Integration • Performance Optimization Techniques • Cross-Browser Development • Familiarity with Continuous Integration/Continuous Deployment (CI/CD) • Knowledge of Security Best Practices • Proficiency in Web Animation (CSS Animations, JavaScript Libraries) • Collaboration and Communication Skills

PROJECTS

AI Chatbot Development:

Developed AI-powered chatbots using Python, Flask, Langchain, Generative AI, and Large language models APIs like Open AI, LLama, and Dialogflow, enabling real-time customer interaction. Integrated the chatbot with

RESTful APIs to fetch product data, handle user queries, and facilitate a smooth user experience. Implemented Web Sockets for real-time communication, reducing response times and enhancing user engagement. Utilized Dialogflow for natural language understanding, allowing the chatbot to handle a wide range of customer queries effectively.

SunPharma Prohance D & JR Survey Tool :

Led the development of an online customer assistance and survey platform, utilizing React.js and Bootstrap to create responsive, role-based dashboards that improved user experience and engagement. Integrated Chart.js to visually represent survey data with dynamic charts and graphs, enhancing decision-making. Implemented third-party APIs for WhatsApp assistance and automated advertising campaigns, resulting in a 25% increase in customer interaction rates. Collaborated with backend teams using Node.js and MySQL to ensure seamless datamanagement and real-time survey analysis.

GMB DocRank AI :

Developed an AI-driven tool to enhance local search rankings for doctors, leveraging Google My Business API with React.js. Implemented Google Sign-In for streamlined user access and designed a pricing listing feature for transparent service offerings. Created an admin dashboard with advanced filters and pagination, allowing for efficient data management and analytics. Integrated user authentication for secure access, and optimized search visibility through keyword suggestions, contributing to a 20% improvement in local search rankings. Collaborated with backend teams using Node.js to ensure seamless data processing and API interactions. Deployed applications using AWS services, automating deployment pipelines and ensuring high scalability and performance

PixelPark NFT Marketplace :

Developed a sophisticated NFT marketplace platform enabling users to lock, vote, verify, and claim rewards for NFT collections through seamless crypto wallet integration. Delivered a pixel-perfect UI by adhering strictly to Figma designs, enhancing user experience and engagement. Utilized Redux for robust state management, ensuring smooth and scalable application performance. Integrated GraphQL APIs for efficient data handling and implemented Styled Components and TypeScript for maintainable and type-safe code, contributing to the platform's reliability and user satisfaction.

HOBBIES AND INTERESTS

- Enjoys capturing and editing photos, focusing on the creative process, and attention to detail.
- Plays chess regularly to enhance strategic thinking, patience, and problem-solving abilities.
- Volunteers actively in community service, fostering teamwork, empathy, and a sense of social responsibility