

SAI SUBRAHMANYAM MAHADASA

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Professional Summary

- 5+ years of comprehensive experience as a Full Stack Developer, specializing in frontend technologies such as HTML, CSS, JavaScript, React.js, React Native, Next.js, TypeScript, and CSS frameworks
- Expertise in building responsive, high-performance web applications with modern UI/UX designs, improving user engagement and business outcomes.
- Hands-on experience with state management in React using Redux, Redux Toolkit, and React Query to ensure efficient data flow and optimized application performance.
- Proficient in integrating APIs and managing data with RESTful services, GraphQL, and JWT authentication, ensuring secure and scalable web applications.
- Extensive experience in utilizing tools like Jest and React Testing Library to build and maintain robust, test-driven frontend applications.
- Skilled in modern frontend development methodologies, including component-based architecture, responsive design, and mobile-first development.
- Proven track record in leading projects using Next.js for server-side rendering (SSR) and React hooks for enhanced component functionality and performance.
- Experience with Redux for state management and used Store, Action, Reducers, State immutability, Async actions.
- Strong problem-solving skills and attention to detail, communication and teamwork skills to ensure high-quality, functional solutions that met user needs and business goals.
- In-depth knowledge of frontend optimization techniques, including lazy loading, code splitting, and bundling using Webpack, to enhance application speed and user experience.
- Improved application performance by optimizing change detection and lazy loading.
- Worked on UI libraries like Tailwind CSS, Bootstrap, and Semantic UI React.
- Excellent experience with CI/CD pipelines using GitHub, Jenkins, and Docker to automate deployments and streamline development processes.
- Experience in working with AWS S3 for getting the list of images, videos to the UI.
- Solid understanding of design patterns, object-oriented programming principles, and best practices for writing clean, maintainable, and efficient code.
- Actively participated in Agile workflows, collaborating with cross-functional teams to deliver secure, scalable, and user-friendly applications on time.

Technical Skill

Languages/ Frameworks	React.js, Next.js, JavaScript, React Native, Java, Spring Boot, Python, Node.js, Express.js, WordPress
Styling Frameworks	Tailwind CSS, Bootstrap, Semantic UI React
Databases	MySQL, PostgreSQL, MongoDB
Web Technologies	HTML5, CSS3, JavaScript, ES6, Redux, Dev Tools, TypeScript, RESTful APIs, GraphQL API, Web3.js, JWT, JSON/XML
Integrated IDE's	Sublime, Visual Studio Code, IntelliJ IDEA, Eclipse
Version Controls	GitHub, Gitlab, Atlassian Bitbucket
Testing	Jest, Mocha, Postman (API)

Education & Professional Certifications

Master's in computer science | Avila University (2023 - 2024) | CGPA (3.5/4)

Bachelor's in computer science | Kakinada Institute of Engineering Technology (2016 - 2020) | CGPA (7.2/10)

- Frontend Developer Certificate (META) - April 2024 – June 2024
- Ongoing AWS Certification

Professional Experience

Our National Conversation (ONC) | Los Angeles, US
Full Stack Developer

Jan 2024 to Dec 2024

ONC NEWS

Description: ONC News is a web-based application that provides users with the latest news from various sources, tailored to their interests. I was responsible for fetching real-time news articles using the News API and integrating them into the application. Additionally, I developed and enhanced a chatbot system to assist users in navigating the platform and retrieving news content.

Environment: HTML5, CSS3, SASS CSS Preprocessor, TypeScript, React.js v18, JavaScript, Node.js, Express.js, python, flask, AWS Lambda, AWS S3

Responsibilities:

- Integrated the News API to fetch real-time news articles, displaying them in the application with Axios for API calls, response handling, and error management.
- Delivered a fully scalable, responsive interface using Next.js for server-side rendering, optimizing performance with modern React libraries such as React Hooks, React Query, and Next.js API routes for streamlined data fetching and improved interactivity.
- Enhanced form validation and user experience with Zod and React-Hook-Form, ensuring robust error handling and seamless data entry.
- Created and consumed RESTful APIs using Node.js for efficient data exchange between the frontend and backend.
- Developed a dynamic, responsive UI in React.js and added infinite scroll feature in the application as per the requirement and created reusable components for displaying news articles
- Wrote unit tests with Jest to ensure the stability and functionality of new features and components.
- Implemented state management in React using Redux to handle complex user interactions and maintain consistent application state.
- Led the development of an AI-powered Retrieval-Augmented Generation (RAG) application, integrating Generative AI technologies for context-aware responses in real-time using OpenAI and Meta's LLaMA APIs alongside a vector database.
- Architected an end-to-end solution using Python Flask for robust API integration, handling data processing with LangChain, and serving as the backend for a React.js application.

Rapid Innovations | Noida, India
Senior Frontend Developer

Feb 2022 to Jun 2023

Project: Pixel Park NFT Marketplace

Description: Developed a sophisticated NFT marketplace platform with features such as locking, voting, verifying, and claiming rewards for NFT collections through seamless crypto wallet integration. Delivered

a pixel-perfect UI based on Figma designs, improving user experience and engagement. Utilized Redux for state management, integrated GraphQL APIs for data handling, and implemented Styled Components and TypeScript for maintainable, type-safe code, ensuring scalability and reliability of the platform.

Environment: JavaScript/ES6, React.js, TypeScript, Web3.js, Redux, GraphQL, Styled Components, Next.js, Webpack, Figma

Responsibilities:

- Spearheaded the development of NFT and crypto platforms, leveraging React.js, TypeScript, and modern tools like Next.js and Tailwind CSS, driving a 30% increase in user adoption.
- Integrated Web3.js to MetaMask, Wallet Connect to enable seamless wallet interactions, boosting transaction success rates by 25%.
- Delivered pixel-perfect UIs based on Figma designs, utilizing Styled Components and Framer Motion for dynamic, responsive experiences, enhancing user satisfaction by 20%.
- Collaborated in Agile workflows, employing tools like Jira and GitHub for sprint planning and code reviews, ensuring timely delivery of high-quality features.
- Implemented advanced pagination and multi-level filtering to efficiently navigate and sort NFTs, enhancing the user experience.
- Designed and developed a loan application form for those who wish to apply for the loan.
- Integrated smart contract interactions for buying and selling NFTs using ethers.js, enabling secure and reliable blockchain transactions.
- Designed and implemented a toggleable dark mode and light mode interface, utilizing CSS-in-JS libraries like Styled Components for a consistent theme experience.

Project: Radius Protocol

Description: A Web3 application designed for NFT swapping and staking, offering seamless user experiences in blockchain interactions.

Environment: JavaScript/ES6, React.js, TypeScript, Web3.js, Redux, GraphQL, Styled Components, Next.js, Webpack, Figma

Responsibilities:

- Created reusable templates and worked with NPM package manager tools.
- Implemented NFT swap, stake functionality, enabling users to securely exchange digital assets through smart contract integration by using Next.js, web3.js.
- Developed reusable custom components, efficient coding processes, leveraging tools like ESLint and Prettier to enforce code quality and consistency.
- Leveraged React's useEffect lifecycle and hooks alongside libraries like React Query, Axios, and Zustand to manage side effects, optimize data fetching, and maintain a responsive state management system.
- Implemented dynamic DOM updates by efficiently manipulating the virtual DOM with React, ensuring minimal re-renders and optimal performance through reconciliation and React's diffing algorithm.
- Utilized Git for version control, enabling efficient collaboration, branch management, and seamless integration of new features. Leveraged GitHub for code reviews, pull requests, and maintaining a clean, well-documented project history.

Multiplier Healthcare AI Solutions | Hyderabad, India

Jul 2020 to Jan 2022

Full Stack Developer

Project: GMB DocRank AI

Description: Developed high-performing healthcare solutions for clients like Apollo Hospitals. Enhanced patient engagement, streamlined data management, and ensured secure handling of sensitive information, resulting in improved patient satisfaction and operational efficiency.

Environment: React.js, React Native, HTML, CSS, JS, Next.js Styled Components, Tailwind CSS, Bootstrap, Express.js, Node.js, MongoDB, python flask, MySQL, AWS EC2, S3, Redux, JWT, Chart.js

Responsibilities:

- Led the development of GMB DocRank AI, an AI-driven tool to enhance local search rankings for doctors. Leveraged Google My Business API, built pricing and admin features with React.js for web app and React Native for mobile app. integrated secure user authentication, and improved search visibility with keyword optimization, resulting in a 20% improvement in local search rankings.
- Designed real-time dashboards with Chart.js, providing actionable metrics for healthcare professionals, architected scalable data interactions with Redux for state management, optimizing high-traffic application stability and reducing downtime by 40%.
- Enhanced patient retention and interaction by crafting dynamic, user-friendly web applications, leading to a 15% decrease in bounce rates and a 10% revenue boost for healthcare clients.
- Built and integrated secure RESTful APIs with Python, Node.js, and MySQL, implementing JWT authentication to safeguard sensitive patient data and reduce unauthorized access.
- Developed responsive, cross-platform user interfaces using React.js and Bootstrap, improving patient satisfaction scores and reducing support costs by 15%

Multiplier Healthcare AI Solutions | Hyderabad, India

Jul 2019 to May 2020

Full Stack Intern

Project: Online Customer Assistance and Survey Platform

Description: Led the design and implementation of a comprehensive customer assistance and survey platform, focusing on responsive user dashboards and data visualization. Streamlined customer engagement and decision-making processes through seamless integration of third-party APIs and dynamic charting tools.

Environment: HTML, CSS, JS, React.js, Bootstrap, Node.js, MySQL, Prisma, Third-Party APIs (WhatsApp)

Responsibilities:

- Developed responsive UI, Landing Pages role-based dashboards using React.js and Bootstrap, enhancing user experience and engagement for customers and administrators.
- Developed a pixel-perfect, interactive UI aligned with Figma designs, ensuring engaging user experience while adhering to project guidelines.
- Built reusable, modular components to streamline development, enhance code maintainability, and ensure consistent design across the platform.
- Leveraged React hooks for efficient component state management and lifecycle handling, enabling dynamic and responsive application behavior.
- Designed interactive survey data visualizations with Chart.js, providing real-time insights through dynamic charts and graphs to improve decision-making processes.
- Integrated third-party APIs for WhatsApp assistance and automated advertising campaigns, driving a 25% increase in customer interaction rates and marketing efficiency.
- Collaborated with backend teams, implementing Node.js, MySQL and Prisma for secure data management, real-time survey analysis, and robust system performance.