

# SAI SUBRAHMANYAM MAHADASA

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## Frontend Developer | Full Stack Developer | Senior Web Applications Developer

Frontend and Full Stack Developer with over 4 years of experience building highly scalable, responsive, and maintainable web applications. Expert in JavaScript, React.js, Python, Java and integrating APIs, with a strong background in working with AWS, cloud infrastructure, and modern front-end tools. Known for improving user experiences, optimizing application performance, and leading innovative projects across healthcare and cryptocurrency industries.

## PROFESSIONAL EXPERIENCE

### 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.

### FRONTEND DEVELOPER

Feb 2022- Jun 2023

**Rapid Innovations** | Noida, India

Led the development of secure and scalable NFT and crypto platforms using React.js, TypeScript, and Web3, resulting in a 30% increase in user adoption.

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

Optimized UI/UX using Next.js and Tailwind CSS, increasing user satisfaction by 20% and reducing bounce rates by 15%.

Led efforts to implement new auto-pilot/auto-refresh features, and added communication and notification capabilities for stakeholders in localization projects.

Conducted unit testing with Jest, improving the reliability of the application and reducing critical bugs by 25%

Streamlined state management and data fetching using Redux and GraphQL, reducing load times by 40%. Collaborated with cross-functional teams to deliver high-quality projects on time, maintaining a 100% project delivery rate.

## **FULL STACK DEVELOPER**

**Aug 2024 - Present**

**Our National Conversation** | Los Angeles, US

Led the development of a dynamic news aggregation platform using Django 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.

## **EDUCATION**

**Masters in Computer Science | Avila University (2023 - 2024) | CGPA (3.5/4)**

**Bachelors in Computer Science | Kakinada Institute of Engineering and Technology (2016 - 2020) | CGPA (7.2/10)**

## **CERTIFICATIONS / PROFESSIONAL TRAINING**

**Frontend Development certificate | Coursera/Meta (2024)**

## **TECHNOLOGICAL SKILLS**

**Programming Languages:** JavaScript, TypeScript, Python, Java

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

**Backend Development:** Node.js, Express.js, RESTful APIs, MongoDB, Web Sockets, SpringBoot, Micro Services

**DevOps & Cloud:** AWS, Heroku, Netlify, CI/CD, Git, GitHub, Docker

**Tools & Platforms:** Agile & Scrum Methodologies, Data Structures, Webpack, Jest, Postman

## **AREAS OF EXPERTISE**

Proficiency in HTML/CSS • JavaScript Expertise • Experience with React.JS • Responsive and Adaptive Design • Proficiency in CSS Preprocessors (SASS, LESS) • Version Control with Git • Familiarity with Frontend Build Tools (Webpack, Babel) • 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) • Experience with Web3.js and 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

**Web Development:** Expertise in JavaScript, Node.js, Django, SpringBoot and RESTful API integration

**Database Management:** Proficiency in MongoDB, Redis, and database infrastructure scaling

**Performance Optimization:** Techniques for reducing load times and boosting application performance

**Security Best Practices:** Implementing secure authentication methods and reducing vulnerabilities

**Cross-Functional Collaboration:** Working with diverse teams to deliver projects on time

## PROJECTS

### 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 data management 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 :

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.

## **Chatbot Developer:**

Developed a chatbot FOR Manipal hospitals using Node.js, Socket.IO, and Dialogflow, enabling real-time customer interaction for an e-commerce platform. 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.

## **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.