Sai Subrahmanyam Mahadasa

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Highly skilled Senior Software Developer with 5 years of experience in designing and developing scalable, secure web applications. Proficient in JavaScript, React.js, Next.js, Node.js and TypeScript, with strong expertise in building reusable, high-performance components and integrating GenAI, RESTful and GraphQL APIs. Demonstrated success in optimizing application performance, enhancing user experience, and ensuring robust code quality through modern development practices. Adept at mentoring teams and collaborating with cross-functional stakeholders to deliver innovative solutions in the healthcare industry.

PROFESSIONAL SKILLS

Programming Languages: JavaScript, TypeScript, React.js, Next.js, Node.js, Python Flask, PHP
APIs & Tools: RESTful and GraphQL APIs, Web Accessibility (WCAG), Google APIs, OpenAI, Meta's LLaMA API
Build Tools & Libraries: React.js, Next.js, Node.js Tailwind CSS, Node.js, Redux, Tailwind CSS, Webpack, Babel, WordPress
Databases: SQL Server, MongoDB, PostgreSQL, MySQL
Testing & Quality: Jest, Cypress, SonarQube
Security: JWT, OAuth, Application State Management, Immutable.js, Micro frontend architecture, SEO
Certifications: Frontend Developer Certificate – Meta (2024), React.js Developer Certificate – Udemy (2022)
Award: Won a Prize for NVIDIA Developer contest for building GenAI Application

PROFESSIONAL EXPERIENCE

Perky   NY, United States
Senior Software Developer   March 2025 – Present
- Spearheaded the development of a scalable Employee Leave Benefits Application using **React.js** and **Node.js**, delivering seamless user experience across complex workflows and reducing **HR management**.
- Engineered responsive, accessible UI components with **Tailwind CSS** and **React Router**, improving user engagement and ensuring full compliance with WCAG 2.1 accessibility standards.
- Automated the deployment pipeline using **Docker** and **GitHub Actions**, enabling smooth **CI/CD integration** with **PostgreSQL** and reducing deployment errors and downtime by over 60%.

Our National Conversation   CA, United States
Frontend Developer   February 2024 – December 2024
- Collaborated with product and UX teams to develop a dynamic, responsive news platform for ONC, driving a 20% increase in user engagement through seamless integration of **front-end** and **back-end** technologies using **Agile methodologies**.
- Designed and implemented visually appealing, responsive layouts **using Figma, Framer, react routing and modern CSS frameworks**, reducing development efforts while ensuring adherence to user stories and accessibility standards.
- Proficient in implementing **web accessibility** standards, including **ADA** compliance and **WCAG** guidelines, to ensure inclusive and user-friendly digital experiences.
- Developed a robust **CI/CD pipeline** using **Jenkins, GitHub Actions, Docker, and Azure,** automating deployments for over 20 features and updates, cutting release cycles by 50% and boosting team productivity by 30%.

Rapid Innovation   Noida, India
Software Developer   February 2022 – June 2023
- Developed a full-stack financial application using **React, Next.js, Typescript, App routing** and **MySQL**, fetched data using Axios, NPM, Yarn **Front-end build tools,** used **Immutable.js** for security best practices delivering seamless user experiences and driving significant business growth by enhancing customer engagement and generating increased revenue.
- Implemented complex form validation with **React-Hook-Form** and **Zod**, enhancing user experience and error handling.
- Built RESTful APIs using **Node.js**, ensuring robust backend functionality. Integrated frontend libraries like **Redux**, along with **custom hooks** and **reusable components**, to enhance performance and scalability.
- Strong expertise in Server-Side Rendering (SSR), Static Site Generation (SSG), and hybrid rendering models to build high-performance, scalable web applications.

Multiplier AI Solutions   Hyderabad, India
Full Stack Developer   January 2019 – January 2022
- Conceptualized end-to-end development and deployment of a healthcare application for 5000+ users, leveraging React, Node.js, and AWS, driving a 20% increase in patient appointments and reducing customer support tickets.
- Optimized code for faster load times, developed **unit tests** using **Cypress**, integrated **Google APIs**, and implemented security measures with validation to protect healthcare data and enhance user experience.

- Managed project changes using **JIRA** within an **Agile framework** and optimized version control through **Git**, improving delivery efficiency by 40% and ensuring seamless collaboration across teams.

PROJECT EXPERIENCE

Online Customer Assistance and Survey Platform   June 2019 – July 2020
Developed a dynamic online customer assistance and survey platform, utilizing React.js for a modular, responsive frontend and optimizing the Node.js backend, resulting in a 40% improvement in response times. Integrated third-party APIs, such as WhatsApp, to enhance communication and used Chart.js for visualizing demographics. Leveraged AWS for scalable hosting and deployment, while automating testing with Jest, GitHub Actions, and Docker to ensure high-quality performance and streamlined workflows.

PixelPark NFT Marketplace   March 2022 – August 2022
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

GMB DocRank AI   February 2020 – March 2020
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

Generative AI Chatbot Development: August 2024 – October 2024
Developed advanced AI-powered chatbots using Python, Flask, LangChain, and fine-tuned large language models with OpenAI, Nvidia and Llama APIs, delivering real-me, dynamic customer interactions. Leveraged ChromaDB for efficient data retrieval, integrang LangChain for seamless chaining of responses and improved context management. Utilized RESTful APIs to fetch product data, handle complex user queries, and ensure a smooth user experience. Deployed in AWS to ensure scalability, high availability, and optimized performance, enhancing responsiveness and user engagement. Built a high-performance frontend in React and TypeScript, providing a cohesive and interactive interface that maximizes customer satisfaction

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EDUCATION

Avila University, Kansas   Dec 2024
Master of Science, Computer Science   **GPA 3.63**
Kakinada Institute of Engineering and Technology, India   May 2020
Bachelor of Engineering, Computer Engineering   **GPA 3.58**