Sai Teja Reddy

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💻 Portfolio | 🔗 LinkedIn | ⌗ GitHub

Experience - 2.5 years

Metageeks Technologies - Noida   Nov 2024 – Present
Web3 Developer

- Completed end-to-end integration of the **Saturn Protocol**, enabling blockchain-based payments, including Ethereum transactions and ETH token generation, using **Node.js**, **MongoDB**, and **Next.js** for front-end development.
- Developed payment solutions on the blockchain, supporting payments through **Node.js** and Ethereum blockchain, ensuring secure and efficient transaction handling.
- Contributed to the integration of the main Metageeks website with **Contentful** CMS for dynamic content management, ensuring smooth data storage and retrieval through **Contentful APIs**.
- Initiated and led the development of a new project for the **Goat Network**, focused on integrating blockchain payments, data from **Dia Oracle**, and enabling crypto trading and bidding functionalities.
- Designed and implemented **Role Management** for event creation and management, using **Nest.js** for the backend and **MongoDB** for transaction-related data storage, with **SQL** for handling important user data.

Hubhopper - Delhi   April 2024 – Oct 2024
Podcast Hosting and Distribution platform
Full Stack Developer

- Designed and optimized embedded player interface using **React**, and developed comprehensive analytics using **ElasticSearch** and **PHP** including Listen Through Rate (LTR), unique listener count per video second, and overall video performance metrics.
- Developed and integrated chapter feature for podcast episodes, encompassing frontend UI (**React**) and backend API enhancements. Implemented robust chapter management capabilities, enhancing user interaction and content navigation for podcast episodes.
- Implemented automated email sender for download analytics, utilizing queue mechanisms and **AWS Lambda**, delivering comprehensive analytics as a ZIP file. The solution was developed using **Python** for backend processing.
- Utilized **Next.js** in conjunction with **React** to implement a smooth and dynamic listening experience for podcast episodes, offering real-time audio streaming and reducing load times.
- Led end-to-end implementation of episode upload feature, seamlessly integrating frontend (**React**), **AWS cloud storage**, and backend API functionalities.
- Engineered comprehensive podcast analytics system, including intuitive UI analytics graphs for enhanced data visualization using **React** and **PHP**.
- Managed batch processing jobs to handle daily listen impressions of podcasts, efficiently storing data in **Elasticsearch** for easy access and analytics. Implemented Cron and **PHP** to ensure seamless execution of processing tasks, providing timely updates for podcast analytics.
- Developed batch deletion functionality for inactive podcasts via RSS feed integration from external platforms.

Cognizant Technology Solutions - Chennai
Software Engineer (May 2023 – Apr 2024)

- Implemented RTO tracking feature by integrating attendance regularity and work location data for effective monitoring, built with **React** for UI, **Node.js** for backend, and **Next.js** for dynamic page rendering, ensuring faster load times.
- Enhanced user authentication and authorization workflows, leveraging **React** for the frontend and **Node.js** with **JWT** tokens for secure access, while using **Next.js** to manage client-side and server-side rendering based on user roles for optimized performance.
- Led the integration of third-party APIs to fetch employee data for better insights and reporting, developed using

React on the frontend, **Node.js** on the backend, and **Next.js** to dynamically render employee data on the client-side with efficient server-side fetching.

- Worked on implementing role-based access controls for the portal, ensuring that users from different departments had access to tailored features, using **React** and **Node.js**, with **Next.js** supporting dynamic content rendering based on user roles for enhanced performance.
- Implemented an advanced notification system, using **Node.js** to manage real-time notifications and **React** to render the notifications on the frontend, while **Next.js** optimized the loading of notifications through SSR.

<u>CSD Intern</u> (Sept 2022 – Mar 2023)

- Internship experience in full-stack development using **AngularJS**, **HTML**, **CSS**, and **Java Spring Boot**.

<u>Freelance Developer</u> (Oct 2022 – April 2023 & Oct-Nov 2024)

- Designed and developed betting features for cricket, including match betting and round-by-round betting functionalities, enabling a dynamic betting experience for users.
- Implemented custom betting options, allowing admins to create custom bets for each match, providing flexibility and enhancing user engagement.
- Developed the backend system using **Node.js** and **Express.js**, with a focus on reliability and scalability for handling real-time betting data.
- Used **SQL** database to store match data, user bets, and betting rounds, ensuring quick retrieval and data consistency.
- Built the frontend using **React**, ensuring an intuitive and responsive user interface for placing bets and viewing match details.
- Utilized caching mechanisms to improve performance and reduce latency, ensuring smooth user experience during high traffic periods.
- Successfully developed and delivered a complete betting app for a company, allowing users to place bets on live cricket matches within company teams.

Education

Sastra Deemed University, Thanjavur, B.Tech in Mechatronics	Aug 2018 – Aug 2022
Excellencia Junior College, Hyderabad, MPC	Aug 2016– Aug 2018

Projects

- Foodie App - Food Delivery App: Developed a comprehensive food delivery solution with a **React** frontend and a **Node.js** backend using **Express.js** APIs. Implemented features like customer and eatery dashboards, secured API interactions with middleware, and managed data with a **MySQL** database. Added rate limiting, error handling, and logging for robust performance and security.
- Email Sender: Developed an automated email sending tool to streamline the process of sending personalized job application emails to recruiters. Built with **React** for the front end and **Node.js** for the backend. Integrated **Redis Queue** to manage email sending tasks efficiently. The tool allows users to input their inbox, subject, and recipient's email, and automatically sends the email along with attachments, saving time and reducing repetitive manual effort.
- Chat Application - I've designed a chat application that allows user-to-user communication using **WebSocket** for real-time messaging. The frontend is built with **React**, providing a smooth user experience, while **Strapi** powers the backend and manages data storage.

Skills

Languages: Python, **PHP**, **Node**, **JavaScript**, **TypeScript**, **HTML**, **CSS**

Framework/Libraries: React.js, **Next.js**, **Tailwind CSS**, **Slim**

Databases: SQL, **Redis**, **Elastic Search**, **Mongo DB**

Message Brokers: Beanstalk

Others: Git, **Linux**, **Cron**, **DSA**, **Design Patterns**, **AWS Lambda**, **AWS EC2**, **Docker**, **Websockets**