

Madasu Rohan Rao

Summary

Experience in managing multiple projects on different domains.

Experience in Technical architecture and Design of large applications and have good experience in implementing industry standard best practices and guidelines in Software Development.

Strong development experience using technologies like Node.js and adequate in languages like dotnet, C#.

Adept in developing web applications using Node.js, React, Typescript and Javascript.

Excellent experience in Architecting and Designing - Components, APIs and integrated products using Restful services, MVC and OOPS.

Good Exposure and experience in Requirement, Scope, Change, Quality, Release, Risk management in Software Development and delivery.

Good Knowledge in implementing third party apps (Google) and map rendering services into the application to achieve Geo-Spatial functionalities & features in various products.

Hands on experience in HTML, CSS and JS framework- React, Angular, Typescript, EcmaScript and knowledge in Vue.js.

Experience in peer code review and provide solutions in refactoring the code.

Adept in Amazon Web Services (AWS) EC2, S3.

Proficient in Server Side application development framework using Express.js, JWT, token and file system in Node.js.

Experience in implementing industry best practices and standards in software development.

Functional experience in banking and communication domain.

Expertise in implementing store actions, installing react-router, react-redux app to handle real time data, API calls from redux in react.js.

Experience in bootstrap framework for responsive web applications.

Proficient in creating Reusable react presentational and container components.

Familiar with modern front-end build tools, such as Webpack and Babel, to optimize and bundle React JS applications for production.

Experienced in working collaboratively with cross functional teams, including designers, backend developers and QA engineers to deliver end to end solutions.

Passionate about staying up-to-date with the latest trends and advancements in React JS technology, continuously seeking opportunities for professional growth.

Successfully handled JSON data and carried out JSON parsing for form submission and DOM manipulation

Expertise in implementing the life cycle architecture in React and Redux to improve the performance of the web application.

Experience in working with React hook and context API.

Used ReactJS to add functionalities and effects like accordion, infinite scroll bar, slider bar, Draggable/Droppable, Resizable and Progress Bar.

Good Experience in IDE like Web Strom and Visual Studio.

Good Experience in tools like Git and Tortoise SVN.

Education: B.Tech 2013 - 2017 Metallurgical Engineering.

Technical Skills:

Web Technologies	Vue.js, Node.js 14, React 16, JavaScript, HTML5, CSS3, JSON, XML.
Database	PSQL, MongoDB 4.2
Framework	Angular 9, React.js, Express.js, .Net 8.
Design patterns	The Singleton Pattern, The Observer Pattern, Context API, React router, Bootstrap 5
Project Methodology	Agile
Tools/SDK/Standards	JIRA, Postman, Visual Studio Code
Repository	Github

Cloud Computing	Azure App services, AWS EC2.
Cloud Cognitive services	Azure search open ai, Phidata.

Project Profile:

Data Software Research Company.

Tranzaura

March 2025 to Present.

Senior Software Engineer.

Responsibilities

- Client Application Development
 - Develop and implement user interface as per the given UX designs
 - Implement all the functional logic for the user interface
 - Develop reusable code that complies to DRY(Do not Repeat Yourself) principle
 - Achieve abstraction and encapsulation using typescript and OOPS principle
- Core API service
 - Develop an api controller to retrieve the data using efficient queries.
 - Use Inner and outer Join queries to create data mappings across multiple tables.
 - Use Null checks to avoid api crashes.

Supplier Gateway AI Assistant.

October 2023 to February 2025

Senior Software Engineer.

Responsibilities

- AI Assistant Development:
 - Design and implement AI-powered chatbots to provide guidance and search results to customers
 - Integrate with Azure Cognitive Services to perform analytical queries on CSV files
- Data Management:
 - Develop and maintain a large enterprise knowledge corpus of documents
 - Ensure data security and compliance with PHI (Protected Health Information) regulations
- Cloud Infrastructure:
 - Design and deploy Azure resources, including Azure Functions and Azure Cloud Cognitive Services
 - Host and manage multiple repositories for the company

- Data Analysis:
 - Perform analytical queries on CSV files separated by organization
 - Provide insights and recommendations to customers based on their requirements
 - Perform Data Munging techniques like cleaning, filling and filtering data.

Environment: Angular, dotnet, Python, Azure Cloud cognitive services, pg vector, git.

Infosys Limited

Skava Commerce

November 2021 to April 2023

Technology Analyst

Responsibilities

Actively participated in Agile development methodologies, such as Scrum, for efficient project management and delivery.

Utilized debugging tools and techniques to diagnose and fix issues, ensuring smooth application performance and user experience.

Actively participated in code refactoring and codebase improvements, ensuring clean and maintainable code in projects.

Write clean, efficient, and well-documented code following coding best practices and standards.

Proficient in creating reusable react presentational and container components.

Proficient in leveraging React JS libraries and frameworks to design and implement scalable and efficient front end solutions.

Skilled in developing responsive web interfaces using HTML, CSS and Javascript, combined with React JS create seamless user experiences.

Strong problem solving skills, with the ability to identify and resolve complex technical issues in React JS applications.

Responsible for resolving issues.

Environment: React, i18n, React-Bootstrap, Node.js, git.

Zaggle Prepaid Ocean Services

Zaggle Save

December 2019 to September 2021

Software Developer

Responsibilities

Collaborate with cross-functional teams to gather and analyze project requirements.

Implemented state management techniques in applications, such as Flux pattern or third-party libraries like Redux, to manage complex application states effectively.

Developed reusable components and libraries in React, promoting code reusability and maintainability across multiple projects.

Collaborated with backend developers to design and implement RESTful APIs that seamlessly integrate with front-end applications.

Conducted code reviews and provided constructive feedback to team members, ensuring adherence to coding standards and best practices.

Knowledgeable in integrating Restful APIs and third party services into React JS applications, enabling seamless data retrieval and manipulation.

Troubleshoot and resolve software defects and issues reported by users or testers.

Implemented responsive design using CSS framework like Bootstrap or styled components, ensuring a consistent user experience across different devices.

ensure data integrity in React applications.

Development of the entire application.

Involved in code review.

Environment: React, Redux, Adobe UX, Node.js, git.

CloudTern Solutions LLP

November 2018 to June 2019
Software Engineer

Responsibilities:

Integrate third-party APIs and libraries into the application as required

Develop and maintain web services and APIs using technologies like REST.

Worked with databases and ORM frameworks like Express Framework Core to perform data operations.

Responsible for application maintenance.

Responsible for creating stored procedures, functions and table schema changes.

Responsible for development, maintenance and support of the system.

Involved in maintenance of existing SQL scripts and new SQL scripts for enhancements.

Demonstrated strong problem solving skills in resolving complex technical challenges and implementing innovative solutions using Message queuing systems in Express projects.

Environment: AWS EC2, AWS S3, Linux, Node.js, PSQL, Express.js

Merilytics

Digital Research Platform
April 2018 to October 2018
Technical Associate

Responsibilities:

Collaborated with UX/UI designers to implement responsive and visually appealing designs in web applications, ensuring a seamless user experience across different devices and screen sizes.

Integrated third-party libraries and frameworks, such as Material UI for UI components, to enhance the UI and add advanced functionalities.

Implemented responsive and mobile-friendly designs using CSS frameworks like Bootstrap CSS, ensuring a consistent user experience across different devices.

Implemented performance optimizations in Blazor applications, such as code splitting, or asynchronous data fetching, to improve loading times and overall responsiveness.

Environment: Node.js, Angular CLI, Adobe UX, git.