Sai Mahesh Korthiwada

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Objective

Focused full-stack developer with 2+ years of experience in building efficient, scalable, and user-friendly applications. Proficient in front-end development with React and modern web technologies and experienced in back-end development using .NET, Azure Functions, and PostgreSQL. I aim to deliver innovative solutions for real-world challenges.

Technical Skills

- **Programming Languages**: JavaScript, Typescript, C#, HTML, CSS, Python, SQL
- **Frameworks and Libraries**: React, Redux, Context API, Material UI, AG Grid
- **Technologies**: Axios, REST APIs, Azure Functions, PostgreSQL, Snowflake, GraphQL, Git, Azure DevOps
- **Concepts**: Responsive UI Design, Virtualization, Memoisation, Lazy Loading, Authentication, PDF Export, Routing, unit testing.

Work Experience

Software Engineer, vConstruct Pvt Ltd, Pune   **July 2023 – Present**

- Built responsive and scalable web applications using React and TypeScript, integrating REST APIs through Axios for dynamic and reliable data flow.
- Developed an Integrated Planning tool using Redux, virtualization, and lazy loading to optimize performance and support PDF export functionality.
- Designed adaptive user interfaces with Material UI, implementing routing and secure login workflows to ensure a consistent experience across devices.
- Developed and integrated backend APIs using .NET Azure Functions and PostgreSQL for real-time updates and seamless data synchronization.
- Participated in Agile ceremonies, sprint planning, and peer code reviews, contributing to timely feature delivery using Git and Azure DevOps.
- Conducted dev testing to maintain quality, contributing to consistently stable production releases.
- Praised for delivering intuitive UI solutions on tight timelines, contributing to improved client engagement and satisfaction.

Projects

Schedule Viewer

- Developed a web interface for construction schedules featuring interactive Gantt charts and tabular views. Enhanced usability with responsive design and real-time data updates, improving user experience by 30%.
- Tools and Frameworks: React, TypeScript, Material UI, Context API, Axios, REST APIs, Azure Functions, PostgreSQL, Snowflake, AG grid, Bryntum,

Estimation Portal

- Built a web application for managing construction estimation files with dynamic data tables. Optimized performance using lazy loading and real-time updates via cloud-based APIs.
- Tools and Frameworks: React, TypeScript, Redux, Material UI, AG Grid, .NET Azure Functions, MsSQL

Badging Application

- Created a worker management app with QR code-based check-in/check-out and secure authentication. Designed a responsive UI with efficient data management for seamless operation.
- Tools and Frameworks: React, TypeScript, Material UI, .NET Azure Functions, PostgreSQL

News Aggregator Website

- Built a automated content ingestion system to fetch, categorize, and display daily news from public sources. Designed a responsive frontend with React and connected it to a PHP-MySQL backend via REST APIs.
- Tools and Frameworks: React, TypeScript, PHP, MySQL, Material UI, Hostinger, Git, HTML/CSS

Achievements

- Achieved 98% bug-free releases through rigorous unit testing and TypeScript best practices in front-end development.
- Improved project delivery by 15% through effective collaboration in Agile teams, enhancing UI/UX outcomes.
- Enhanced UI performance by optimizing React component rendering, resulting in a 20% reduction in load times.

Certifications

- **React Developer Certification**, Udemy
- **JavaScript Web Development Bootcamp**, Udemy
- **SQL Bootcamp**, Udemy

Education

National Institute of Technology, Warangal, Telangana July 2021 – May 2023
Master of Technology CGPA: 7.9

National Institute of Technology, Hamirpur, Himachal Pradesh June 2016 – June 2020
Bachelor of Technology CGPA: 8.7