

SMSR KRISHNA VAMSI

Front-End Engineer

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Profile Summary

- Passionate **Front-End Engineer with 3+ years of experience** building dynamic web applications.
- Skilled in **Angular, TypeScript, JavaScript, HTML, CSS** and proficient in **Node.js, REST APIs**. Enthusiastic about creating user-friendly and responsive interfaces.
- Have Exposure to **Micro-Frontend Architecture, React**.
- **Google Certified Associate Cloud Engineer**.
- Strong foundation in data structures and algorithms.

Professional Experience

Tata Consultancy Services

System Engineer (Frontend Engineer) | Apr, 2021 to July 2024 (3.3 years)

Project Name: Enforce - Telecom fraud detection Management System.

- Developed and enhanced a fraud detection tool used by a Telecom company for investigating fraudulent activity and misuse of services. Improved investigator efficiency by implementing UI/UX enhancements in **Angular**, leading to faster data visualization and streamlined workflows.
- **Optimized system performance by reducing API call costs by 10-20%** through a novel wildcard search function within the universal search.
- Enhanced user experience by implementing improved error handling in the OTP service interface, ensuring calls are initiated only when necessary.
- Expanded tool functionality by adding an "Add International Investigation" feature, enabling investigators to handle both domestic and international cases within a single platform.

Assistant System Engineer (Frontend Engineer)

Project Name: Employees Contributions App for an Insurance Company

- Developed an employee contributions application using Angular for Rich scalability.
- By leveraging Angular's routing, **shared services (20% reduction in data calls)**, **lazy loading (30% improvement in initial load time)**, this application achieved a significant overall performance boost.
- Spearheaded a complete redesign of the employee dashboard, **delivering 85% within a single sprint(15 days)**. This empowered users to monitor, filter, gain insights, and streamline contributions.
- **Resolved 90% of UI, content, design, and functional modifications within two sprints(30 days)**, enabling early UAT testing and on-time release, exceeding client expectation

Skills

Programming Languages: Python, JavaScript (ES6+), TypeScript

Web Development: Angular, React, Bootstrap (HTML, CSS)

Back-End Frameworks: Node.js (Express.js)

Databases: MySQL, MongoDB

Testing: Karma Js, Jest, Chai & Mocha

Version Control: Git, GitLab, Bitbucket

Deployment: Jenkins

Cloud: Google Cloud Platform (GCP)

APIs: RESTful APIs

DevOps Tools: Postman, Google Lighthouse

Core Competencies

- Data Structures & Algorithms
- Frontend Development
- Unit Testing & System Integration
- SCRUM/Agile/LEAN Methodology Programming

Education

- **B.Tech in Computer Science - 2020**

Vignana Bharathi Institute of Technology(JNTUH)

Certifications

- Google Cloud Certified Associate Cloud Engineer .
- EMC Academic Associate, Data Science and Big Data Analytics

Achievements

- Grand finalist in Smart India Hackathon for Blockchain Implementation for farmers beneficiary schemes 2020.
- Won bronze medal for Digital Agricultural Hackathon on Blockchain Implementation for farmers beneficiary schemes 2020