

VUSTEPALLI SAI CHARAN

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TECHNICAL SKILLS

Programming Languages: Type Script | Java Script | HTML | CSS | Python | C | SQL | Go Lang | DBMS

Technologies: Angular | React | Node JS | Ionic | Git | Kafka | Kubernetes

Version Controls: Git | SVN

Designing Tools: Figma | Sketch

IDE's & OS: VS Code | Atom | GO Land | IntelliJ & Windows | Linux

WORK EXPERIENCE

Senior Associate Frontend Developer(National Payment Corporation of India) Nov 2023 - Present

Global Payment System:

- Designed and developed a user-friendly frontend interface for a secure payment solution for the Global Central Bank Digital Currency (CBDC), operating within a Distributed Payment Architecture. Implemented intuitive UX/UI designs to ensure seamless navigation and transaction flows.
- Conducted extensive benchmarking of existing frontend frameworks and libraries, achieving a 40% reduction in load times through strategic optimization and the implementation of efficient data fetching techniques.
- Spearheaded frontend optimizations aimed at enhancing system scalability, significantly improving throughput and reducing response times. Collaborated closely with backend teams to integrate API endpoints seamlessly into the frontend interface.

Tech Stack: Angular, Type Script, HTML, CSS, GO, Docker, Node.js, Kubernetes, GCP, Bare Metal

Retail and Wholesale CBDC:

- Designed and maintained the frontend of the retail CBDC mobile payment app using Android Studio and Go, emphasizing intuitive UI/UX design principles to enhance usability.
- Contributed to the Retail and Wholesale CBDC project by integrating frontend functionalities with backend services, facilitating a cohesive and reliable application ecosystem.
- Implemented a secure Public Key Infrastructure (PKI) system for robust encryption and decryption mechanisms, ensuring secure app-server communications and protecting user data integrity.

Tech Stack: Angular, Type Script, HTML, CSS, Docker, Node.js, Kubernetes, GCP, Bare Metal

Risk Management Portal:

- Led the development of the Risk Management Portal from inception, starting with gathering requirements and designing screens, obtaining stakeholder approvals at each stage.
- Developed frontend screens from scratch, ensuring intuitive user interfaces (UI) and seamless user experiences (UX) aligned with project specifications, while collaborating closely with backend teams to integrate frontend components with backend services, ensuring data consistency and system reliability.
- Optimized screen loading times and performance through iterative design improvements and strategic caching techniques, enhancing overall user satisfaction. Facilitated security clearance processes to meet stringent standards, ensuring readiness for production deployment. Contributed to the successful launch of the Risk Management Portal, supporting seamless transition into production and ongoing maintenance and optimization effort.

Tech Stack: Angular, Type Script, HTML, CSS, GO, Docker, Node.js, Kubernetes, GCP, Bare Metal

I-Estate Property Management System:

- Collaborated with clients to understand their needs and requirements, documenting and analyzing these requirements for the I-Estate project.
- Designed and developed the Sales and Reports Module screens for I-Estate, a real estate solution facilitating property leasing, sales, and reporting. Utilized Angular to create user-friendly interfaces that enable seamless listing, leasing, and selling of properties. Gathered requirements from clients, designed screens using Figma, and ensured client approval before development.
- Integrated frontend screens with backend functionalities developed in Java, ensuring smooth and efficient communication between the frontend and backend systems. Conducted thorough testing and debugging to ensure the reliability and functionality of the modules. Collaborated closely with backend developers to seamlessly integrate API endpoints into the frontend interface.

Tech Stack: Angular, Type Script, HTML, CSS, SVN, Node.js, Jenkins.

QHSE Application

- Collaborated with stakeholders to gather and analyze requirements, ensuring that the app meets user needs and project goals and developed user-friendly screens, focusing on intuitive navigation and ease of use to enhance user experience.
- Developed a hybrid mobile app using Ionic and Angular for both Android and iOS platforms, ensuring seamless functionality and user experience across devices. Also contributed to a corresponding web app using React, maintaining consistent functionality and user experience across both web and mobile platforms.
- Coordinated with backend developers and other teams to integrate APIs and ensure seamless data flow and functionality.
- Collaborated with security teams to secure necessary clearances, ensuring compliance with industry standards and protecting user data. Provided continuous production support, addressing issues and implementing updates to maintain optimal app performance.

Tech Stack: React, Java Script, HTML, CSS, SVN, Node.js, Jenkins.

HDFC Life Insurance

- Designed and integrated intuitive, user-friendly screens for the policy creation portal, enhancing the overall user experience. Developed a comprehensive client portal for managing online life insurance applications and customer ticket resolutions using Angular and Java technologies.
- Collaborated with backend developers to integrate APIs and ensure smooth data flow between frontend and backend systems. Achieved seamless integration of frontend components with backend services, delivering a cohesive and efficient user experience. Performed performance tuning and optimization to guarantee fast load times and responsive interactions.
- Ensured compliance with industry standards and implemented security measures to safeguard user data. Provided ongoing support and updates for the application, incorporating user feedback to continuously enhance functionality and user satisfaction.

Tech Stack: Angular, Type Script, HTML, CSS, SVN, Node.js, Jenkins.

EDUCATION

B. Tech in Computer Science & Engineering	7.84 CGPA
Lovely Professional University, Jalandhar, Punjab.	Jul 2017 - Jun 2021

ACHIEVEMENTS

India's Brightest Engineering Minds of 2021: Received the prestigious India’s Brightest Engineer Award from the Economic Times of India in 2021, awarded through the ET Campus Star competition. Recognized for exceptional coding skills and problem-solving abilities in a national competition involving over 50,000 students from 2,000 top universities across India.

CERTIFICATIONS

React JS, Cipher Schools
Data Science, Board Infinity
Robotic Process Automation, Automation Everywhere

SOFT SKILLS

- Team Work
- Analytical
- Time Management
- Problem Solving
- Leadership
- Innovation
- Multi Tasking
- Effective Communication