

SRI SUDERSAN

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Work Experience

Software Engineer, Kivane Tech (Dataparts) – Atlanta, GA December 2024 – Present

- Delivered MVP with Angular, TypeScript, SCSS in 6 weeks by leading frontend development of 2 core product modules
- Rebuilt AI Assistant in React and TypeScript in 5 days to improve code scalability and prep for pre-production rollout
- Built a custom markdown rendering engine to support rich AI content across 6+ edge cases with 98% accuracy
- Introduced a design system using ShadCN UI and Tailwind CSS to speed up UI development and reduce inconsistencies
- Improved UX by reducing LCP to 1.7s and INP under 150 ms through DOM, render optimizations and lazy loading

Software Engineer Intern, VanEck – New York, NY June 2023 – August 2023

- Developed a DeFi Asset Tokenization platform using React and Web3.js with projected cost savings of \$500K annually
- Optimized website performance through Redux state management, reducing dashboard load time from 2.4s to 800ms
- Developed Ethereum transaction flows by integrating multi-signature approvals via MetaMask and 8+ REST APIs
- Built responsive UI components using Material-UI, CSS and React hooks, implementing fluid animations and layouts

Software Engineer, Tata Consultancy Services (Amex) – Chennai, India August 2021 – August 2022

- Migrated Amex AtWork platform from jQuery to React, improving scalability and UX for 5,200+ DAUs across 41 clients
- Boosted client retention by 12% by modernizing core UI components tied to \$48M+ in daily transaction workflows
- Built 22+ React components for financial dashboards integrating REST APIs and achieving 92% user satisfaction
- Optimized PostgreSQL queries, reducing financial report processing time by 44% for 100K+ transactions/day

Volunteer Experience

Software Engineer, Curajoy – Atlanta, GA October 2024 – March 2025

- Built an interactive calendar component using Next.js and TypeScript to help users visualize their daily activities
- Designed a distributed message queue system using Node.js, Express.js, BullMQ to process invites and reward payouts

Software Engineer, One Community Global – Philadelphia, PA June 2024 – October 2024

- Created dashboards using React and D3.js based on Figma designs, delivering activity insights for 230+ active users
- Implemented unit and integration tests using Jest and RTL, reducing QA cycle time from 2 days to 9 hours

Skills

Languages: JavaScript, TypeScript, Python, SQL, HTML5, CSS3

Technologies & Frameworks: React, Next.js, Redux, Node.js, Express.js, Tailwind CSS, SCSS, Jest, RTL

Databases & Cloud: PostgreSQL, NoSQL (MongoDB), Redis, Firebase, AWS

Tools: Git, Figma, Docker, CI/CD (Jenkins, Github Actions)

Projects

AI Agent Platform [Project Link](#)

- Built an AI Agent platform using Next.js, TypeScript, Convex backend and clerk auth to manage secure user sessions
- Integrated LangChain with YouTube, Google Books, and Wikipedia APIs to enable info extraction and summarization
- Connected IBM WxTools SDK with LangGraph to create a flexible agent-tool execution graph for AI interaction patterns

Dm.ai - Instagram Marketing SaaS [Project Link](#)

- Developed a marketing automation platform using Next.js, TypeScript, PostgreSQL, and Meta webhooks, enabling seamless integration with Instagram for content scheduling and engagement tracking with optimistic UI updates
- Integrated OpenAI to power smart, context-aware Instagram responses with average response generation time < 4s

Education

Drexel University – MS in Computer Science March 2024

Anna University – BE in Electronics and Communication Engineering April 2021