

Samhita Vetcha

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Frontend Engineer | 3+ Years Experience | React, TypeScript, Accessibility

Software Engineer 1A Officer with 3.6 years of experience in frontend development (React, TypeScript, accessibility) and backend virtualization (Parasoft Virtualize, Groovy). Builder of internal AI + NLP automation tools and engineering dashboards that improve defect triage, system analysis, and team-wide metrics

Experience

Software Engineer 1A Officer, Bank Of America

June 2022 - Present

- Owned UI enhancements at scale across 450+ screens, delivering zero defects post-QA and production release.
- Built reusable React components adopted across 80% of the application, reducing redundancy and improving maintainability.
- Developed a Jira-like defect/story/task analyzer using AI + Node NLP (similarity matching and text parsing), cutting triage effort by 35–45% and saving 100+ hours.
- Implemented an NLP similarity engine to surface duplicate and related engineering tickets, accelerating defect resolution and knowledge reuse.
- Built API responders using Parasoft Virtualize + Groovy, enabling reliable service simulation for dependent teams.
- Performed architecture gap analysis between legacy and new vendor platforms, documenting API mismatches, dependencies, and integration risks.
- Created a React operational excellence dashboard that centralizes sprint, defect, and delivery metrics for the engineering org.
- Leveraged AI to generate data analysis automation scripts that reduced manual integration analysis time by 40%.

Full Stack Web Development - Internship, Navrang Consultancy and Technologies

Feb 2021 – May 2021

- Delivered a React + Node.js Business Management MVP in 75 days and built a cross-team testing automation tool, improving defect identification efficiency and reducing defect rates by 22%.

Technologies and Soft Skills

- Languages and Frameworks: JavaScript, TypeScript, React, Java, AngularJS, Groovy, Node.js, HTML, CSS, Express.js
- Testing & Tooling: Git, Webpack, Lighthouse, Chrome DevTools, Figma, Parasoft Virtualize, REST APIs
- Automation & AI: Defect Triage Automation, NLP-based Ticket Analysis, AI Script Generation, System Architecture Comparison, Vendor Tool Integration
- Databases: MongoDB, SQL

Education

Vellore Institute of Technology, Bachelor's in Computer Science Engineering: 9.09/10.0

April 2018-22

Projects

Planner App: Comprehensive task management solution with progress tracking and inbox organization.

- Technologies: ReactJS, NodeJS, ExpressJS, MongoDB, Bootstrap 5, Gmail API, Ant Design Charts

MBTI Personality Test: Personality classifier mapping users to Marvel/DC characters

- Technologies: ReactJS, Material UI, NodeJS, MongoDB, ExpressJS.

Community & Continuous Learning

- Active member and contributor in the ReactJS Community Hyderabad, attending workshops and webinars, while continuously learning AI agents, agent workflows, intelligent automation, and building AI-powered responders through hands-on experimentation and community sessions.

Awards

- Innovation Challenge Finalist – for creative technical problem-solving.
- Cross-Team Champion – for promoting collaboration between engineering groups.
- Technology-Focused Blog Contributor – for sharing internal learnings and best practices.
- Onshore Appreciation – for consistent high-quality code and early deliveries.