

SAHITHI POLADI

SOFTWARE ENGINEER

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EXPERIENCE

Software Engineer III

CISCO || RTP, NC || April 2022 - Present

Monitoring Orchestration Platform (MORe)

- Developed and maintained a **React-based UI** for the MORe – a tool for orchestrating and monitoring internal Cisco applications.
- Designed and integrated **RESTful APIs** connecting to external applications, ensuring data retrieval performance under **3 seconds** for high-volume datasets.
- Collaborated with **backend engineers, product managers, and cross-domain teams** to build intuitive, scalable UI components and workflows.
- Led the **onboarding implementation** for **ThousandEyes, Splunk Cloud Platform, and Splunk Observability Cloud** services acquired from RunOn, enhancing monitoring capabilities.
- Built onboarding flows for **Zabbix**, coordinating data ingestion from **ESP** to MORe and automating submissions to Zabbix for device onboarding.
- Implemented **end-to-end features** across front-end and API layers to improve delivery efficiency and reduce dependency overhead.
- Authored **unit tests using Jest** and utilized **GitHub Copilot** and **Cursor** to accelerate code completion and ensure high-quality, maintainable code.

Change Predictive Analytics (CPA)

- Contributed to the CPA platform, a leadership tool used by Directors and SVPs to tract and predict Change Request (CR) failures across Cisco IT.
- Redesigned and upgraded the **Node.js and React** environment to address deprecated dependencies and restore production stability.
- Developed **data-driven dashboards** to visualize CR trends, enabling leadership to identify missing data fields to prevent future CR failures.
- Collaborated closely with **data engineering** teams to validate predictive logic and integrate real-time CR analysis.

Correlate Harmonize Application and Infrastructure Notifications (CHAIN)

- Engineered key front-end components for **CHAIN**, an application that correlates **Metrics, Events, Logs, and Traces (MELT)** data to identify incidents and infrastructure changes.

SKILLS

JavaScript
Python
React (Hooks, DevTools, TransQuery)
Redux
Node.js
Next.js
Express.js
Django
REST, SOAP
MongoDB
Elastic DB
Oracle DB
CI/CD
Docker
Swagger
Postman
Insomnia
Jest
GitHub Copilot
Cursor
AWS
Android Development
AI/ML Fundamentals

- Designed an advanced **topology visualization** using **Cytoscape.js**, mapping over **1000+ independent nodes** to display upstream/downstream dependencies and real-time incident impact.
- Optimized UI rendering using **virtual scrolling** and **state management** techniques to deliver smooth performance for large-scale datasets.
- Partnered with backend teams to integrate **Elastic DB** event streams and predictive algorithms for proactive incident detection and alerting.
- We already worked on a product called **Cisco Observability Platform (COP)** to move all our UI into that product by writing **JSONata** expressions where they are rendered as UI eventually. We used **OTel telemetry (OpenTelemetry)** to process our **MELT** data and ingest them to consume on UI.

Technologies: React, Node.js, Express.js, MongoDB, Oracle DB, Kafka, Graylog, Elastic DB, RESTful APIs, Docker, AWS, CI/CD Pipelines, GitHub Copilot, Cursor

Methodologies: Agile, Scrum, PI Planning, User Story Creation, Cross-functional Collaboration

Software Engineer

CHAINYARD || RTP, NC || Jan 2020 – April 2022

- Designed and developed the **web interface for Trust Your Supplier (TYS)** – a blockchain-based supplier-buyer relationship platform – while adhering to **IBM design and accessibility guidelines**.
- Built and integrated **reusable, scalable UI components** in **React** that enabled fast, secure, and consistent communication with backend **RESTful APIs**.
- Developed new product features using **React Hooks, Carbon React Components**, and **SASS** for dynamic and responsive styling across the application.
- Implemented **microservice integrations** and multiple third-party plugins within the blockchain ecosystem to enhance supplier onboarding and verification workflows.
- Created dynamic form-generation components using **JSON schema loaders**, automating the process of creating React forms and reducing code complexity across modules.
- Wrote and executed **unit and integration tests** to validate CRUD operations, and tested API endpoints using **Postman** and **Insomnia** to ensure reliability and consistency.
- Developed and deployed **MongoDB migration scripts** to manage and update collection data during feature rollouts.
- Collaborated in **Agile sprint cycles**, actively contributing to **sprint planning, feature estimation, and QA validation** while delivering enhancements.

Technologies: React, Node.js, Carbon Design System, SASS, RESTful APIs, MongoDB, Microservices, Postman, Insomnia, Blockchain Integration, Agile.

EDUCATION

University of New Haven'19

West Haven || CT || USA

Master's in Computer and Information Sciences

Kakatiya University'17

Warangal || TG || INDIA

Bachelor's in Computer Science and Engineering

OTHERS

Certifications

Data Science @Cisco

Generative AI Green Belt 2025

Leadership

Member of RTP IT Site Council
– Employee Enrichment Early in Careers Leader at Cisco

Volunteering

Represented Cisco at NC Tech Summits (2024-2025)

Participated in various community service initiatives including:

1. Salvation army Christmas center
2. Note in the Pocket
3. Community garden
4. Sort A Rama
5. Clothing drive
6. Rise against hunger