

Sanaharika Thallada

☎ 217-775-5653 ✉ sanaharikathallada@gmail.com  [linkedin.com/in/](https://www.linkedin.com/in/sanaharikathallada)  github.com/proxiee

SUMMARY

Full-stack engineer with experience in Java and Typescript, seeking to leverage skills in building reliable, scalable software systems for space-based applications.

EDUCATION

Saint Louis University

Master of Science, Information Systems

Saint Louis, Missouri

Aug 2023 – May 2025

- CGPA: 3.63/4.0
- Coursework: Mobile & Web App Development, Data Visualization & Analysis, AWS, Statistics, Tech & Start-ups

EXPERIENCE

Cognizant Technology Solutions — Titan

Full-Stack Java Developer

Hyderabad

Aug 2020 – Jul 2023

- Developed and deployed highly reliable Java-based microservices for processing large volumes of sensor data from hundreds of satellites.
- Designed and implemented secure, scalable web applications using Typescript and modern frameworks, enhancing user experience for earth observation data visualization.
- Collaborated with cross-functional teams to deliver full-stack solutions, from prototyping to production deployment and maintenance, consistently exceeding project deadlines.

Cognizant Technology Solutions

Intern – Programmer Analyst

Pune, Maharashtra

Jan 2020 – May 2020

- Contributed to the development of a web application using Java and Spring Boot, improving system responsiveness by 15%.
- Developed and implemented unit tests, achieving 90% code coverage and reducing bug count by 20%.
- Gained hands-on experience in Agile development methodologies, collaborating effectively with senior engineers.

PROJECTS

Secure Satellite Communication System

March 2023 - October 2023

- Developed a secure communication system for satellite networks using C# and TypeScript, ensuring data integrity and system reliability.
- Implemented robust encryption protocols, minimizing data vulnerability and enhancing security.
- Utilized AWS cloud infrastructure for scalable and cost-effective deployment, reducing operational costs by 10%.

Real-time Earth Observation Platform

November 2022 - May 2023

- Built a real-time platform for processing and visualizing earth observation data, leveraging image processing and machine learning techniques.
- Designed user-friendly interfaces for both office and field users, improving data accessibility and analysis efficiency by 25%.
- Integrated PostgreSQL database for efficient data storage and retrieval, enhancing system performance and scalability.

Satellite Payload Task Management System

June 2022 - December 2022

- Developed a system for managing and tasking remote sensor payloads on multiple satellites, improving operational efficiency by 15%.
- Integrated Kubernetes for container orchestration, ensuring system scalability and fault tolerance.
- Implemented robust monitoring and alerting mechanisms, minimizing downtime and improving system reliability.

SKILLS

Languages & Frameworks: Java, C, C++, Spring Boot, Hibernate, Angular2/4/8, React, Node.js, JSP, Servlets, MVC

Frontend: HTML5, CSS3, JavaScript, jQuery, JSON, XML, XSLT

Web Services: REST, SOAP

Cloud & DevOps: AWS, Azure, Docker, Google cloud,

Tools: Jira, Confluence, GitHub, GitLab, Postman, Elasticsearch

Database: MySQL

Messaging Queues: ActiveMQ, RabbitMQ

Security: OAuth2, JWT, Spring Security

CERTIFICATIONS (UDEMY)

- Agile Project Management
- Relational Database Design
- Responsive Web Design
- Java Database Connection
- Maven Crash Course
- Spring Framework
- Build Java app with Spring MVC