Sanaharika Thallada

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SUMMARY

Full-stack engineer with experience in Java and a passion for building reliable, scalable systems. Seeking to leverage skills in a challenging, impactful role.

EDUCATION

Saint Louis University   **Saint Louis, Missouri**
Master of Science, Information Systems   *Aug 2023 – May2025*

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

EXPERIENCE

Cognizant Technology Solutions — Titan   **Hyderabad**
Full-Stack Java Developer   *Aug 2020 – Jul 2023*

- Developed and deployed highly reliable Java-based microservices for a large-scale application, resulting in a 20% increase in system throughput.
- Designed and implemented RESTful APIs using Spring Boot, improving data transfer efficiency by 15%.
- Collaborated with cross-functional teams to deliver projects on time and within budget, consistently exceeding expectations.

Cognizant Technology Solutions   **Pune, Maharastra**
Intern – Programmer Analyst   *Jan 2020 – May 2020*

- Contributed to the development of a key feature for a flagship product, improving user engagement metrics by 10%.
- Successfully debugged and resolved critical production issues, minimizing downtime and improving system stability.
- Gained valuable experience in Agile software development methodologies and collaborative teamwork.

PROJECTS

Secure Satellite Network Simulation   *March 2023 - October 2023*

- Developed a simulation environment for a secure satellite mesh network using C# and TypeScript, processing data from hundreds of simulated satellites.
- Implemented robust security protocols to guarantee data integrity and access control within the simulated network.
- Designed and implemented a user interface providing an immersive experience for monitoring and interacting with the simulated satellite network.

Real-time Earth Observation Platform   *August 2022 - February 2023*

- Built a web application using TypeScript and a graphics-intensive framework for visualizing real-time earth observation data from various sources.
- Integrated with AWS cloud services to enable scalable and reliable data processing and storage.
- Utilized PostgreSQL database to manage large volumes of geospatial data efficiently.

Satellite Payload Tasking System   *January 2022 - July 2022*

- Designed and implemented a system for tasking remote sensor payloads on multiple satellites in low Earth orbit using a microservices architecture.
- Developed and deployed the system using Kubernetes for container orchestration in a Linux server environment.
- Integrated with existing data processing pipelines to streamline data analysis and reporting.

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