Sanaharika Thallada

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SUMMARY

Full-stack engineer with experience building reliable, scalable software systems. Proven ability to design, develop, and deploy applications in cloud environments.

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 high-reliability Java applications processing data from hundreds of sources, resulting in a 20% increase in processing efficiency.
- Designed and implemented secure, scalable web services using RESTful APIs, improving system responsiveness by 15%.
- Collaborated with cross-functional teams to deliver projects on time and within budget, exceeding expectations by consistently meeting deadlines.

Cognizant Technology Solutions   **Pune, Maharastra**
Intern – Programmer Analyst   *Jan 2020 – May 2020*
- Contributed to the development of a web application using Java and Spring, enhancing user experience and improving data visualization.
- Developed and implemented unit tests, ensuring software quality and reducing bug counts by 10%.
- Gained hands-on experience in Agile software development methodologies, improving team collaboration and efficiency.

PROJECTS

Secure Satellite Network Simulation   *March 2023 - August 2023*
- Developed a high-fidelity simulation of a secure satellite network using C# and TypeScript, enabling testing of communication protocols and data processing algorithms in a realistic environment.
- Implemented robust security measures to protect sensitive data, ensuring compliance with industry standards and reducing vulnerabilities by 15%.
- Utilized AWS cloud services to deploy and manage the simulation, reducing infrastructure costs and improving scalability.

Real-time Earth Observation Platform   *October 2022 - March 2023*
- Built a real-time earth observation platform using a web application with PostgreSQL database to process and display high-resolution satellite imagery.
- Developed a user-friendly interface for both office and field users, improving data accessibility and decision-making speed by 20%.
- Integrated machine learning algorithms for image analysis, enhancing object detection and classification accuracy by 10%.

Autonomous Payload Control System   *May 2022 - September 2022*
- Designed and implemented an autonomous payload control system for low earth orbit satellites using Kubernetes and Linux server environments.
- Developed a secure communication protocol for remote payload tasking and data retrieval, ensuring data integrity and minimizing latency.
- Automated system testing procedures, reducing manual testing efforts by 25% and improving 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