

SRINIVASA PRABHAT JOSYULA

+91 8309786338 srinijos98@gmail.com

Summary

Results-driven technology professional with expertise in cloud computing, data analytics, and automation. Skilled in optimizing cloud-based data workflows, leveraging AWS services, and developing automation scripts to enhance efficiency. Strong background in networking, system troubleshooting, and data visualization using tools like Power BI and Amazon QuickSight. A problem-solver with excellent communication and analytical skills, driven by a passion for continuous learning and innovation.

Education

University of Dayton, Ohio (*Master of Science, Computer Science*)

Experience

Kolibri Data Solutions LLC

Texas, United States

Jul 2024 - Jan 2025

Data Analyst

- Optimized cloud-based data workflows, improving efficiency by 30% and reducing latency
- Developed **Python-based** automation scripts that improved data processing speed by 40%, reducing manual effort
- Leveraged AWS services (**EC2, S3, Lambda, RDS**) for scalable data storage and computation, cutting infrastructure costs by 20%
- Built interactive dashboards using **Amazon QuickSight**, enhancing real-time data visualization and decision-making.

University of Dayton

Ohio, United States

Aug 2021 - Dec 2023

Student Hospitality Associate / Manager

- Provided technical support for Dining Services, troubleshooting hardware, software, and network issues, reducing downtime by 50%
- Implemented network security protocols and IT policies, reducing security incidents by 35%.
- Collaborated with IT teams to resolve escalated issues, ensuring smooth operation of POS systems and digital tools.
- Conducted routine system maintenance and performance monitoring, ensuring 99.9% system uptime.
- Trained staff on POS systems and mobile apps, improving operational efficiency by 25%.

Projects

Database Management Systems

- Cloud-Based Database Management System: Jan 2023 - May 2023
- Designed and implemented a scalable relational database using MySQL on AWS RDS, improving query performance by 40%.
- Developed Python-based automation for database queries, reducing manual workload by 60%.
- Enforced AWS IAM-based security policies and encryption mechanisms, ensuring compliance with security best practices
- Integrated AWS Lambda for automated data backup and restoration, reducing potential data loss risk by 90%.
- Technologies Used:** MySQL, AWS RDS, Python, AWS IAM, AWS Lambda, AWS CloudWatch

Internet Of Things (IOT)

Aug 2022 - Dec 2022

- Ultrasonic Nest Security System:
- Designed an Arduino-based security system with AWS CloudWatch monitoring, improving real-time threat detection by 50%.
- Developed Arduino code to control LEDs based on detected object range, providing clear visual indications.
- Integrated the system with Node-RED and MQTT for real-time data publishing and web dashboard display.
- Utilized AWS CloudWatch for monitoring device performance and logging alerts.
- Technologies Used:** Arduino, C/C++ (Arduino IDE), Node-Red, MQTT, AWS CloudWatch

Skills

- Networking:** OSI Model and Networking Fundamentals
- Cloud Computing:** AWS (ECS, S3, RDS, IAM, Lambda, CloudWatch)
- Troubleshooting:** Wireshark, Packet Tracer, Ping, Traceroute, iperf, dig, cURL
- Networking Protocols:** TCP/IP, DNS, IPSec, SSL/TLS, ARP, BGP, OSPF, VLAN
- Programming Languages:** Python, C, Java, C++
- Databases:** MySQL, PostgreSQL, BigQuery
- Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn

Certifications

- AWS Certified Cloud Practitioner (In Progress)
- AWS Solutions Architect (In Progress)