Syed Irfan

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<GitHub> <Linkedin>

Summary

AWS Cloud and Linux enthusiast with hands-on experience in infrastructure monitoring and system optimization. Skilled through self-practice in managing AWS services, implementing security best practices, and enhancing system reliability and performance.

Professional Experience

System Engineer, Stratogent Technology Services   July 2023 – Present

- Set up and managed monitoring tools such as LogicMonitor and SolarWinds to ensure comprehensive infrastructure oversight and operational efficiency.
- Deployed and optimized infrastructure within LogicMonitor, reducing alert noise by 40% and improving overall system performance.
- Integrated AWS and Azure environments into LogicMonitor for seamless auto-discovery of instances, reducing manual intervention by 30%.
- Developed custom Logic Modules using Groovy scripts to monitor HA status of firewalls, enhancing system reliability.
- Collaborated with cross-functional teams during incident resolution and project implementations.
- Documented SOPs and supported team members in their tasks.

AWS Projects

Two-Tier Architecture – CloudFormation (**Link**)

- Designed a CloudFormation template to deploy a two-tier architecture with VPC, NAT Gateway, and ALB
- Launched application servers in private subnets and bastion hosts in public subnets.
- Enabled scalable and secure infrastructure with Auto Scaling and Load Balancing.

Serverless URL Shortener (**Link**)

- Created a serverless URL shortener in AWS using API Gateway, AWS Lambda, and DynamoDB.
- Designed the system to hash long URLs and store them with short codes.
- Utilized Route53 and ACM for domain and certificate management.

EC2 Create Notifier (**Link**)

- Designed a solution to monitor EC2 instance creation using EventBridge and CloudTrail
- Triggered AWS Lambda to process event data and extract instance details.
- Sent real-time notifications to users via SNS for newly launched instances.

Skills

- **Cloud –** AWS (EC2, IAM, VPC, S3, CloudFormation, CloudWatch, SNS, Route53)
- **OS –** Linux (User, Disk, Process Management, Cron jobs)
- **Scripting –** Groovy, Bash basics, Python
- **Programming -** JavaScript, NodeJS, C++
- **API –** Postman

Education

Sir M. Visvesvaraya Institute of Technology   2019 - 2023

- Bachelor of Engineering in Electrical and Electronics
- CGPA – 8.7