Sricharan S

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Chengalpattu-603002, Tamil Nadu

TECHNOLOGY ANALYST

Highly motivated and results-oriented Technology Analyst with more than 3+ years of experience in DevOps automation and observability principles. Proven ability to design, implement, and maintain automated AWS services, infrastructure as code (IaC), and monitoring systems to ensure high availability, scalability, and performance of critical applications. Skilled in troubleshooting and resolving production issues, collaborating effectively with development teams, and driving continuous improvement of operational efficiency.

KEY SKILLS

Version Control: Git, Github	**Cloud Technology:** AWS services	**Monitoring Tools:** Prometheus, Opensearch, Elasticsearch, site 24X7
Database : MySQL	**Automation:** Python(BOTO3)	
IAC: Terraform, Ansible	**Visualization Tool:** Grafana	
CI: Jenkins	**Script:** shell(Basics)	**Technical Documentation**

PROFESSIONAL EXPERIENCE

Infosys Limited - Chennai   **Sep 2021 - Present**
Technology Analyst

Project: Dow Jones - Financial Services Domain
Skills: AWS, Terraform, Jenkins, Ansible, MySQL, Python, JIRA, Grafana, Prometheus, OpenSearch, Elasticsearch, Site 24X7.

Roles & Responsibilities:

AWS Services:
- **S3:** Managed bucket creation, access control, data lifecycle, and cross-region replication. Monitored storage costs and ensured security compliance.
- **IAM:** Created and maintained roles, policies, and user/group access, ensuring least-privilege access and secure AWS interactions.
- **EC2 (Consul):** Set up EC2 instances for Consul servers, configured security groups, and ensured high availability and backup management.
- **RDS:** Managed database upgrades, backups, performance monitoring, and maintenance windows for optimized database performance.
- **CloudWatch:** Set up alerts, monitored logs for incidents, and automated responses using metrics and alarms.
- **OpenSearch:** Deployed and configured clusters setting and templates for log aggregation, index management, and access control. Ensured scalability and security.
- **Athena:** Wrote SQL queries for S3 data analysis, managed schemas, and optimized query costs and performance.
- **Lambda:** Created serverless functions with event-driven triggers, optimized performance, and secured with IAM roles. Pushing some logs using AWS lambda to OpenSearch index for monitoring.
- **EventBridge:** Configured event buses, rules, and targets for event-driven architectures, ensuring secure integration with AWS services.

Terraform:
- **CloudWatch:** Automated the setup of alerts and alarms for OpenSearch and other services using Terraform scripts.
- **EC2 (Consul):** Provisioned EC2 instances for Consul servers, managing infrastructure-as-code (IaC) for scalable and repeatable deployments.
- **Lambda:** Automated creation and configuration of Lambda functions, including permissions and event triggers.
- **Infrastructure Automation:** Managed AWS resources like IAM roles, security groups, S3, and VPCs through Terraform for consistent and efficient cloud infrastructure deployment.

Jenkins:
- **Deployment Management:** Utilized pre-built pipelines in Jenkins for deploying Grafana dashboards, OpenSearch monitors, Lambda functions, and Terraform configurations.
- **CI/CD Operations:** Managed deployments through Jenkins, ensuring seamless delivery of infrastructure and monitoring tools.

Ansible & Shell Script:
- **Automation Scripting:** Developing scripts for configuration tasks, including system upgrades and alerting, using Ansible and shell scripts to streamline processes.

Git & GitHub:
- **Version Control:** Managed version control for all tools and scripts using Git and GitHub, ensuring code consistency and collaboration.

Monitoring Tools:
- **Monitoring & Observability:** Utilized Prometheus, OpenSearch, Elasticsearch, Site24x7, and synthetic monitoring via API endpoints to ensure system performance and availability.

Grafana Dashboards:
- **Dashboard Creation:** Developed over 70 Grafana dashboards, covering APM, SLO/SLI, infrastructure, functional automation, and performance testing for testing and application teams to monitor application performance and behavior.

Jira:
- **Project Management:** Utilized Jira for tracking tasks, managing project workflows, and facilitating collaboration among teams.

Technical Documentation:
- **Documentation:** Created and maintained technical documentation to support infrastructure, processes, and monitoring configurations.

Awards and Honors:
- **Certificate of appreciation :** for consistently updating knowledge and skills to stay current with evolving technologies and best practices, significantly contributing to project success.
- **Certificate of appreciation :** performed well on query optimization and tracking errors/mismatches in query result. you are quite the SME on Grafana.
- **Internal Certification :** Infosys certified (Cloud Beginner, CPQ developer, Associate in IAC using Terraform, AWS Public cloud associate)

Education	Languages
Jeppiaar Engineering College (Anna University Affiliated) - Chennai, Tamil Nadu	English
B.Tech - Information Technology (06/2016 - 08/2020)	Tamil
CGPA- 7.47	