A. SAISANDEEP

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Professional Experience:

Company: power soft global solutions pvt ltd   **Period**: May 2019 to Till Date

WORK EXPERIENCE

Project: **TT Accounts payable Team**
 Client:HAZMAT AUTHORITY   **Duration:**Mar 2023 to till date
Description: Hazmat transport is subject to the hazardous materials regulations, which are closely aligned across North American countries. However, manufacturers, shippers, and carriers should be aware of some critical differences in regulatory requirements.

Responsibilities

- Providing platform support for the cloud Infrastructure and as Senior Associate Consultant will be monitoring and supporting the hosted application.
- Going through the day-to-day user requests and troubleshooting the issues.
- Responding to production issues within the proposed SLA. Troubleshooting problems/Incidents that arises and work proactively.
- It includes application problems/Server performance problems/monitoring etc. and coordinating with the multiple teams.
- Managing the AWS resources in every account present in the NDC MBRide and DCP platform team.
- Working on agile project setup tracking the issue in JIRA/Confluence/ and following the sprint.
- Working on the JIRA tickets coming under support of the applications resolving within SLA.
- Identifying and fixing the issues in cloud platform backlogs and working on the sprint.
- Following the ITIL process for incident, problem, and change management.
- Monitoring the alerts configured for all the services and fixing the issues.
- Monitoring of AWS components health, resource metrics, IAM monitoring and backup policy compliance using Datadog as the primary reporting source for stakeholders for all AWS events.
- Managing EFS and EBS volumes, creating and managing S3 buckets and Glacier Vaults, S3/Glacier lifecycle policy creation and optimization for storage management.
- Provisioning of new infrastructures as per the request from the application team.
- Access related issue for the new onboarding of the customer and for AWS services like S3, RDS and EKS.
- Regular patching for resources is done, downloading the patches, and installing the OS patches and troubleshooting the patching related issues.
- Access related issues are taken care as part of platform support team, user management, Managing the provision of security credentials and access.
- Utilizing AWS native feature to track and manage the configurations.
- Monitoring various AWS resources usage and recommending sizing changes and Datadog as the primary reporting source for billing and cost optimization functions along with AWS Advisor.
- Applying patches to the Amazon EKS services and upgrading of the OS like Ubuntu, CentOS and upgrading the RDS, EKS as per the recommendation from the AWS.

Professional Summary:

- Devops Engineer with **four and a half** years in Cloud **Amazon Web Service**, wide variety of DevOps tools on **Linux** environment providing extended support in Production, Development and Test environments.
- Managing the infrastructure operation support in **Amazon web services** cloud environment.
- Providing Operation support for the Amazon Web service cloud environment, Operating systems, and databases.
- Applying patches to the Amazon **EKS** services and upgrading of the OS like **Ubuntu, CentOS** and upgrading the **RDS, EKS** as per the recommendation from the **AWS**.
- Adding new feature in the infrastructure as per the request from application team post discussion in the sprint.
- Working on the problem ticket based on the issue reported by customer like issue in **Jenkins Pipeline, EKS clusters, AWS resource and CI/CD** deployments.
- Performing the **Jenkins** upgrades, updating the various components using **helm** upgrade.
- Working on **agile** project setup tracking the issue in **JIRA/Confluence/** and following the sprint.
- Following the **ITIL** process for incident, problem, and change management.
- Monitoring of AWS components health, resource metrics, **IAM** monitoring and backup policy compliance using **Datadog** as the primary reporting source for stakeholders for all AWS events.
- Managing **EFS** and **EBS** volumes, creating and managing **S3** buckets and **Glacier Vaults, S3/Glacier** lifecycle policy creation and optimization for storage management.
- Worked on Cost-Optimization to reduce the cost of AWS by moving the instance types to graviton and volume types from **gp2** to **gp3**. Written **Lambda** automation scripts with retention days to deregister unused **AMI's** and delete **Snapshots** for multiple **AWS** accounts at a single go by triggering the Lambda script with **AWS** Event bridge.

- Configured Jenkins with GitHub webhooks to automate the integration, when source code is pushed and notify the errors to developers.
- Working on the problem ticket based on the issue reported by customer like issue in Jenkins Pipeline, EKS clusters, AWS resource and CI/CD deployments.
- Worked on creating, updating and deleting AWS cloud platform resources using terraform modules.

Project2: **TT Accounts payable Team**
   Client: TELIGENT TELECOM   **Duration:** Jun2021 to Mar2023

Description: TT's acquisition of EE brought forth the challenge of consolidating TT's fixed line, broadband and pay TV services with EE's mobile network services, each with its own IT complexity and backend infrastructures. The company's digital transformation goals would require a transition to technology first strategy focused around automation, eliminating manual processes and removing bottlenecks that slow time to market, and using digital channels and automation tools to accelerate service development times, and improve the customer and partner experience.

Responsibilities
- Responsible to perform build and deployment activities using Jenkins and Troubleshooting of Jenkins build failures by observing Jenkins console output logs to find root cause of the build failure and fix it..
- Tested the code with help of SonarQube server by integrating it with Jenkins as part of CI process before build stage.
- Responsible to create and provide AWS resources via terraform script.
- Responsible to write k8s yaml files to create deployment, stateful set, service, ingress, configmap, daemon set for the microservices.
- Providing on-call support in adherence to specific business and customer Service Level Agreements. Applications Deployment activity, Execution of deployment scripts.
- Monitoring of AWS components health, resource metrics, IAM monitoring and backup policy compliance using Datadog as the primary reporting source for stakeholders for all AWS events.
- Managing and Creating EFS and EBS volumes, S3 buckets and Glacier Vaults, S3/Glacier lifecycle policy creation and optimization for storage management, RDS databases of Aurora MySQL and PQSQL.
- Applying the security patches regularly as per the recommendation from AWS to the RDS Aurora PostgreSQL and MySQL databases.
- Applying patches and upgrading of the OS like Ubuntu, CentOS, Amazon Linux servers.
- Provisioning of new infrastructures as per the request from the application team.

Project: Surinam TEO Operation Support

Client: SURINAM GLBL INC   Jun2019 to Mar2021
Description: Agile Microservices factory implementation for a large Technology provider company for Airline Industry. Surinam is Largest Software & Technology company that provides global distribution system for Air Ticket booking for airline, hoteliers, agencies and other travel partners worldwide. Where my role is to provide operation support for the migration program from Mainframe to Java Springboot hosted on Cloud. Our aim is to provide the digital platform for transforming traveler's digital experience. This digital platform will provide improvement in operational agility, will provide new services and create new marketplace for airline, hoteliers, agencies and other travel partners worldwide. One of the immediate key objectives to migrate the Legacy business functionality modules into modern Microservices led architecture on Cloud.

- Resolving the security related alert raised by **AWS** Inspector Findings and Trend **Micro Cloud** Conformity to remediate the issue.
- Managing the backups regularly and storing the backups in **S3** for each account.
- Monitoring the **AWS** resources using the **Datadog**.
- Worked on **EC2** instance launch, taking **AMI** and **snapshots** in the **AWS** Console.
- Worked on Amazon **RDS** instance launch, migrations, upgrades, enabled transport encryption and applied security patches.
- Worked on creating **Lambda** Automation by writing **python scripts** to clean unused **AMI's, EBS Volumes, EIP and EBS Snapshots**.
- Performed code deployment activities as per the release plan scheduled for the application.
- Provided **Operation support** for various environments in Amazon Web services spread across the instances.
- Worked on the **shell scripting** in **Linux** and performed the automation on various monitoring.
- Worked on opensource **CI server Jenkins** freestyle projects and multibranch pipelines with build tool as **Maven** and **Gradle.**
- Worked on troubleshooting **Jenkins build failures**.
- Hands on experience in Configuration Management tool **Ansible** and containerization tool **Docker.**
- Worked on Source Code Analysis tool **SonarQube** by integrating it with **Jenkins**.
- Worked on Code Version Control System **Git** and used **GitHub** as Repository Management tool for all our project scripts.
- Worked on Orchestration tool Elastic **Kubernetes** Cluster to deploy microservices in pods as containers.
- Hands on experience in **IaC Terraform** by creating, updating and deleting **AWS** cloud platform resources using terraform modules.

Responsibilities:

- Managing and monitoring the server, applications and the microservices performance hosted in Amazon Web Service.
- Identifying and fixing the issues in applications and microservices running on all the servers.
- Going through the day-to-day user requests and troubleshooting the Jenkins and application related issues.
- Responding to production Jenkins build issues proactively.
- Troubleshoot problems/Incidents that arise and works proactively on them. This includes application problems/Server performance problems/monitoring problems etc., and coordinates with the team to resolve them.
- Working on the application deployment activities and taking the maintenance activity during the downtime.
- Working in the automation process of applying Server patches using linux shell scripting and ansible yaml scripts for various automation.
- Working on the problem ticket based on the issue reported by customer like issue in Jenkins Pipeline, AWS resource and CI/CD deployments.
- Configured Jenkins with GitHub webhooks to automate the integration, when source code is pushed and notify the errors to developers.
- Monitoring of AWS components health, resource metrics, IAM monitoring and backup policy compliance using Splunk as the primary reporting source for stakeholders for all AWS events.
- Managing and Creating EFS and EBS volumes, S3 buckets and Glacier Vaults, S3/Glacier lifecycle policy creation and optimization for storage management.
- Provisioning of new infrastructures as per the request from the application team.
- Access related issue for the new onboarding of the customer and for AWS services like S3, RDS and bastion hosts.
- Regular patching for resources is done, downloading the patches, and installing the OS patches and troubleshooting the patching related issues.
- IAM Access related issues are taken care as part of platform support team, user management, Managing the provision of security credentials and access.
- Utilizing AWS native feature to track and manage the configurations.
- Working on agile project setup tracking the issue in JIRA/Confluence/ and following the sprint.

STRENGTHS

Strong problem-solving skills, excellent communication abilities, Proficient in automation, Adaptability to change, Continuous learning mindset

Hobbies

✈ Exploring distant lands, 📷 Capturing moments, 🎧 Feeling the music

Personal Information

Father's Name :   Mr. A. Venkataramana
Date of Birth :   08th March 1994
Gender: Male
Marital Status: Unmarried
Languages: English, Hindi
Phone: +91-8985922141

Technical Skills:

Build Tools:	Maven
CI &CD:	Jenkins
Version Control Tools:	GIT
Issue Tracking Tool:	JIRA, Service now
Infrastructure Provisioning Tool:	Terraform
Artifact Repository:	Nexus
Container:	Dockers, Kubernetes, Kaniko
Orchestration Tool:	Kubernetes
Monitoring Tool:	Nagios, Cloud Watch
Code coverage Tool:	SonarQube
Configuration Mgmt. Tools:	Ansible, Terraform
Scripting:	Shell, Groovy, python
Web/Application:	Tomcat, Apache, Nginx
Image scan tool:	Black duck scan
Data base:	Mysql, Psql
Bug tracking:	Jira
Cloud Platforms:	AWS
Operatating systems:	Windows, Cent OS, RHEL