

Sriman Gokulakonda 

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Around 11 years of experience in IT, performing various roles such as Site Reliability Engineer and Middleware Engineer.

# Profile Overview:

* Collaborated with development teams to identify and remediate performance bottlenecks and reliability issues in production environments.
* Set up Service Level Objectives (SLOs) and Service Level Indicators (SLIs) to measure and track system performance and availability.
* Setup custom dashboards and alerts to proactively detect and resolve issues before they impact end-users.
* Teamed up with cross-functional teams to improve resiliency, stability and fault tolerance of systems and applications through proactive testing and validation.
* Implemented continuous integration and continuous deployment (CI/CD) pipelines to streamline software delivery and reduce the risk of production incidents.
* Worked with development team on application deployments to the Kubernetes cluster with Helm charts, including creating Kubernetes configmaps, ingress and services and worked on troubleshooting issues.
* Knowledge on Configuration Files in Splunk ( Props.conf , Transforms , Output.confg).
* Optimized Kubernetes cluster performance by fine tuning resource allocation, configuring auto scaling and load balancing.
* Experience with setting up monitoring at OS and Application levels using Nagios, Splunk. Setting up Dashboards, Alerting.
* Responsible for managing upgrades and patches for the Kubernetes cluster and its components, involves planning and executing cluster upgrades, testing compatibility of new versions and ensuring minimal disruption to running applications.
* Used Docker containers to quickly deploy Linux based applications.
* Skilled with Python, Bash/Shell, PowerShell, YAML. Developed Shell and Python Scripts used to automate day to day administrative tasks and automated the build and release process.
* Built AWS infra structure using Terraform scripts including EKS, RDS, DynamoDB, SNS and S3 buckets for micro services.
* Experience working with AWS cloud services like Instances**,** DNSmanagement**,** Zones, Storage, Load balancer, Auto Scaling, Security groups, Block volumes, logging, compartments.
* Managed logging infrastructure and alert management tools, including Prometheus and Grafana. Setting up Dashboards, Alerting.
* Experience in installation, configuration and management of web and Enterprise applications on WebLogic servers and WAS servers.
* Experience in migration from On-premise environment to Cloud AWS environment.
* Deploying the WAR/EAR packages to the App and Web servers as requested by Application teams.
* Worked with IBM Support and development teams in resolving issues related to application memory leaks, analyzing java cores and heap dumps using Thread and Heap analyzer tools.
* Good Knowledge on ITIL Process (Incident Management, Problem Management, Change Management).
* Provided support on weekends for patching activities and coordinated and worked with different teams and resolved the major issues.
* Co-ordinated with different teams as per requirement, prepared documentation for regular issues.

**Professional Certifications:**

* Certified Kubernetes Administrator (CKA) - Certificate ID Number is LF-j12hh6snlo
* AWS certified solution architect associate.

**Technical Skills:**

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| --- | --- |
| Versioning Control Systems | Git and SVN |
| CI/CD | Jenkins, Chef and Ansible |
| Container services | Docker and Kubernetes. |
| Operating Systems | Linux, Windows Server 2008 R2 |
| AWS/Azure | AWS EC2, S3, RDS, ELB, EBS, VPC, Route53, Lambda, EKS and CloudWatch/ Azure VM, Blob Storage, AD and Storage Accounts |
| Application/Web Servers | WebLogic and WebSphere application server/Apache, JBoss, Tomcat, Nginx. |
| Database | Oracle, MySQL. |
| Infrastructure Automation | Terraform, AWS CloudFormation and Ansible |
| Scripting | Shell scripting, Perl scripting and Python |
| Load Balancers | F5, nginx, Apache |
| Ticketing & Monitoring Tools | Prometheus, Grafana, Splunk and Datadog, BMC Remedy, ServiceNow |

**PROFESSIONAL EXPERIENCE:**

**Infosys:**

**Client: BNSF Railways, Fort Worth, Dallas (Remote)** **Aug 2017 to Present.**

**Role: SRE/ Middle ware Engineer.**

**Responsibilities:**

* Deployed Kubernetes applications with Helm charts, including creating Kubernetes configmaps, Ingress and services.
* Developed PowerShell scripts for archival of Splunk Frozen data to the AWS .
* Responsible for managing upgrades and patches for the Kubernetes cluster and its components, involves planning and executing cluster upgrades, testing compatibility of new versions and ensuring minimal disruption to running applications.
* Optimized Kubernetes cluster performance by fine tuning resource allocation, configuring auto scaling and perform roll updates.
* Involved on tier Splunk installation and configured indexers, forwarders, search headers, Clusters.
* Strong analytical and problem-solving skills with the ability to diagnose and resolve complex issues large Kubernetes deployments.
* Setup Prometheus controller and Grafana with Helm chart on Kubernetes cluster, configured Prometheus as a data source to Grafana, visualized Prometheus metrics on Grafana dashboards.
* Configured the alert manager with Prometheus server to get email alerts for any issues in environment.
* Experience in Splunk Development Creating Apps, Dashboards ,Data Models , Etc.
* Experience in implementing robust monitoring and observability solutions across the Kubernetes clusters.
* Implemented in the CI/CD pipeline for Infrastructure provision by making necessary changes in Terraform modules in the relevant environments.
* Optimized AWS by setting up alerts and creating dashboards to monitor each AWS account, decommissioning unwanted EBS volumes, and right-sizing nodes to reduce costs.
* Actively manage, improve, and monitor cloud infrastructure on AWS, automate DB backups creation, Snapshots creation, SW patches, and setup auto scaling policies.
* Create custom dashboards to visualize the performance data of CTM application.
* Configured Splunk on Various Systems which consists of Linux ,windows and Mac OS collecting.
* Configured and monitored jobs on Control-M agent and worked with developers for troubleshooting on reported issues.
* Worked on support tickets related to Kubernetes and resolved within the SLA.
* Followed modern software development methodologies such as Agile/Scrum model processes.
* Supported Splunk on Linux , windows and virtualized platforms and parsing , indexing, Searching Concepts Hot, Warm ,Cold , Frozen Bucketing.

**Infosys  
Client: Sysco Foods Nov’12 to July’17**

**Role: Middleware Engineer**

* Built AWS infrastructure using Terraform scripts, RDS, DynamoDB, SQS queues, SNS, and S3 buckets for microservices.
* Expertise in multiple AWS services such as VPC, EC2, ELB, ASG, S3, IAM, RDS, Route 53, and SNS.
* Setup and configured Route tables, Internet Gateway (IGW) and Subnet to build secure and scalable environment for RME servers.
* Implemented disaster recovery by cross-account and cross-region migration of services in AWS.
* Monitored AWS resources, such as EC2, CPU, memory, and EBS volumes, using CloudWatch and set alarms for notifications or automated actions.
* Optimized AWS by setting up alerts and creating dashboards to monitor each AWS account, decommissioning unwanted EBS volumes, and right-sizing nodes to reduce costs.
* Experience in working with both relational (MySQL) and Having knowledge on RDBMS.
* Installed, configured and management Oracle WebLogic 10G environment Linux RHEL 6.8 in production and Test environments and upgraded to 6.10.
* Installed WebLogic patches, service packs on prod and test environment and involved in post patching activities.
* Setup alerting and monitoring all RME productions servers with Splunk monitoring tool.
* wrote Splunk queries and led troubleshooting efforts by analyzing Splunk logs and providing timely resolutions to performance-related issues
* Migrate the Re-hosted Mainframes Environment (RME) environment from On-Prem to Cloud (Amazon Web Services).
* Monitored the applications performance such as response time and transaction volume with Datadog.
* Worked with SQL DBA and Oracle DBA teams on application performance issues.
* Used Jira for tasks and issues tracking for the project.
* Responsible for the documentations for all Migration and upgrade activities and some other major issues which are worked with vendors, published all in confluence page.
* Actively participated in daily SCRUM meetings to produce quality deliverables with in time.
* As a Team Lead associated myself with team with growth-oriented enterprise and strive to achieved the goals of the project and organization.

**Education:**

Master of Computer Applications (M.C.A) from Osmania University :2008

Bachelor of Computer Science (BSC) from Kakatiya University in 2004.