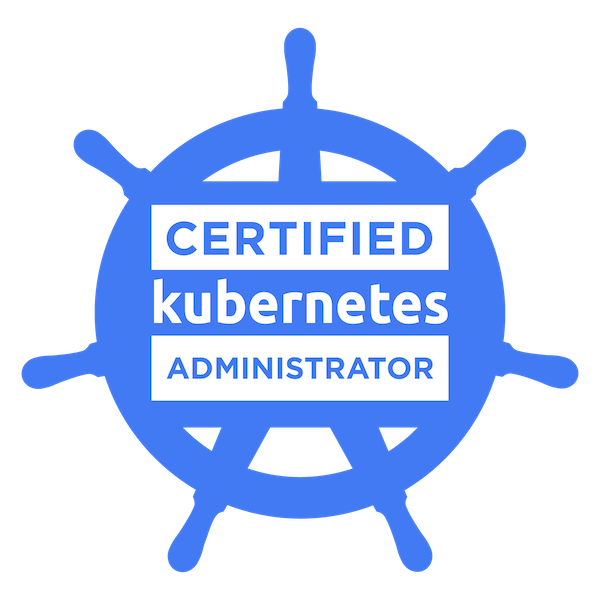
**Naga Sai Kondru**

**Sr. Azure DevOps Engineer**

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**Professional summary:**

Sr. DevOps professional 10+ years of IT Experience as Cloud/DevOps Engineer comprising of Linux and System Administration with major focus on AWS, Azure, OpenStack, Continuous Integration, Continuous Deployment, Configuration Management, Site Reliability Engineer(SRE), and Linux Systems Administrator with expertise in Private, Public and Hybrid Cloud platforms along with using various tools like Docker, Kubernetes, Ansible, OpenShift, Puppet, Jenkins, Git, Maven.

* Expertise in Microsoft Azure Cloud Services, including PaaS, IaaS, **Application Insights , Azure Monitoring, Key Vault, AKS, ACR, Azure Virtual Machines, VNET, network services, Azure DevOps, SQL Databases, Azure ACI , Azure AD, monitoring, autoscaling, Azure ASG, NSG, Azure Event Hub, PowerShell Automation, Azure Search, DNS, VPN, Blob Storage, CosmosDB, MongoDB, MySQL, Azure Synapse, Azure Data Lake, Data Factory, Azure DataBricks**, **Azure Kubernetes Service and SQL Azure.**
* Experience in Converting existing **Terraform modules** that had version conflicts to utilize **CloudFormation templates during deployments**, worked with Terraform to create stacks in AWS, and updated the Terraform scripts based on the requirement on regular basis.
* I have worked with Azure ACI for the quick and efficient deployment of microservices without managing the underlying infrastructure.
* And I have used Azure ASG for auto scaling of VM’s and used NSG to manage the traffic between different layers.
* Experience in integrating **Terraform with Ansible, Packer** to create and Version the AWS Infrastructure, designing, automating, implementing and sustainment of Amazon machine images (AMI) across the AWS Cloud environment.
* As a SRE I have implemented service level objects and service level indicators.
* I have optimized critical components of the infrastructure as SRE for better performance and reliability.
* Expertise in configuring the Monitoring and Alerting tools according to the requirements like **Prometheus** and Grafana, setting up alerts, and deploying multiple dashboards for individual applications in Kubernetes.
* Experience in Ansible setup, managing hosts file, **using YAML**, authoring various playbooks and custom modules with Ansible and worked on Ansible Playbooks to automate in AWS services like Launching EC2, Provisioning IAM, Configuring VPC, EBS, **Monitoring using CloudWatch and CloudTrail**.
* Experience in **deploying Kubernetes Cluster on AWS and Azure** cloud environments with master architecture and wrote many **YAML files** to create many services like pods, deployments, auto-scaling, load balancers, labels, health checks, Namespaces, Config Map etc.
* Experience in **integrating Jenkins** with various tools like Maven (Build tool), Git (Repository), SonarQube (code verification), Nexus/JFrog (Artifactory) and **implementing CI/CD automation** for creating Jenkins pipelines programmatically architecting Jenkins Clusters.
* Experience in **deploying and configuring** Elasticsearch, Log Stash, Kibana (ELK) and AWS Kinesis for log analytics and experienced in monitoring servers using Splunk, CloudWatch.
* Experience in Group creation, monitoring and maintaining logs for system status/health using Linux commands and Splunk system monitor. Writing new plugins in **Splunk to monitor**.
* Worked on customizing Splunk dashboards, visualizations, configurations, reports, and search capabilities using **customized Splunk queries**.
* Excellent hands-on experience working with **monitoring tools** such as Splunk, ELK and working with load balancing, Integrating, and monitoring with Splunk also checking the health of applications.
* Expert in writing scripts like **Ruby, Perl, Power Shell, JSON, Node.js, YAML, Groovy, Bash/Shell, Python** for automating the build and release process.

**Education:**

* Bachelor’s from Jawaharlal Nehru Technicalogical University, India.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Environment** | Azure, AWS, OpenStack |
| **Configuration Management tools** | Puppet, Ansible, Ansible Tower |
| **Build tools** | Maven, Ant, Docker, MS Build, NPM |
| **Automation tools** | Jenkins, Azure DevOps, GitLab, Terraform, CloudFormation |
| **Version Control tools** | GIT, GIT-lab, TFS, Bitbucket, GitHub, Subversion (SVN) |
| **Operation systems** | Azure DevOps, Red Hat Linux, SUSE, Ubuntu, CentOS, Windows, MacOS, UNIX |
| **Web servers** | Apache, Tomcat, JBOSS 4.x/5.x, IIS, NGINX, Web Sphere4.0/5.0 |
| **Database System** | MS SQL Server, MySQL, MongoDB, Oracle 9i/10g/12C, IBM DB2 |
| **Monitoring tools** | CloudWatch, Splunk, DataDog, ELK-Xpack, GrayLog, Grafana, New Relics, Azure Monitors. |
| **Scripting** | Python, Ruby, Bash shell, Power shell, JSON |
| **Virtualization Technologies** | VMware, Windows Hyper-V, Power VM, VirtualBox, Citrix Xen, Vagrant |
| **Programming** | Python, Groovy, Shell, Powershell |

**CERTIFICATIONS**

* Certified Azure Administrator Associate.
* Certified AWS Developer Associate.
* Certified Kubernetes Administrator.

**Work Experience**

**Role: Sr Azure DevOps Engineer Nov 2022 to Present**

**Client:** **American Express, Phoenix , Az.**

**Responsibilities:**

* Creating and maintaining containerized micro services and configuring/maintaining private container registry on Microsoft Azure for Hosting Images and using Azure Active Directory.
* Managed servers on the Microsoft Azure Platform Azure Virtual Machines instances using Ansible Configuration Management and created Ansible Playbooks, tasks, and roles to automate system operations.
* Managed Azure Infrastructure, including Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD, and VM backup and recovery.
* Setup Self Hosted Build Agent into our own Virtual Network and Integrated Agent Pool into Azure DevOps Pipelines
* Worked on setting up AKS Cluster, App Service, Azure VM using Terraform Modules from end-to-end and maintained modules into GitHub Repos
* Upgrading Kubernetes Cluster taking up Control Plane etcd Backup and Upgrading NodePools and Nodes by cordaning, draining them
* I have worked with serverless Azure ACI for the quick and efficient deployment of microservices.
* Setting up Namespaces, Resource Quotas, Admission Controllers, Labels and Taints on Nodes for Distribution of workloads into Kubernetes Cluster among Multiple Projects
* I have worked with Azure VM’s along with Azure ASG for auto scaling and for controlling inbound traffic. I have used Azure NSG.
* Hands on experience on using Terraform along with packer to create custom machine images and automation tool using Ansible to install software after the infrastructure is provisioned.
* Worked on active integration effort for building out PaaS with RedHat OpenShift, Dockers and working with developers on application containerization effort.
* Migrating Containers from OpenShift which is On-Prem Private Cloud Cluster to Public AKS Cluster.
* Worked with Docker and Kubernetes, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud using Azure DevOps Pipelines
* I have used Azure Data Factorys linked services to connect to different data sources and destinations And creates data pipelines that represent end-to-end data workflows using data Factory. It supports various data stores like Azure SQL Database, Azure Blob Storage, etc.
* I have used notebooks in Azure Databricks for complex data transformations or analytics.
* Integrate Databricks notebooks into your Data Factory pipelines using the Databricks Notebook activity.
* Using PolyBase I have loaded data from Azure Data Lake Storage or Azure Blob Storage into Synapse SQL Pools.
* And Used Azure Monitor and Azure Log Analytics to monitor the performance and health of your ETL processes.
* Used ADO pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes.
* Developed PowerShell script to fetch necessary information from webpages according to the requirement and to automate routine tasks when applicable.
* I have used DataDog to Track metrics such as CPU usage, memory utilization, network activity.
* By using DataDog I have Collected, Aggregated, and Analyzed logs from various sources for troubleshooting and debugging.
* Worked with Helm Package manager in creating custom charts as per application requirement and deployed them in Kubernetes Cluster.
* Implemented Role-Based Access Control (RBAC) within Kubernetes, defining granular permissions to control access to cluster resources.
* **ENVIRONMENT**: ARM templates, Azure Active Directory, Azure storage, Azure cloud services, IIS, Azure Resource Manager, Azure Blob Storage, Azure VM, ASG, NSG, SQL, Azure Functions, Azure ACI, Azure Kubernetes Service, Helm Charts, Docker, Kubernetes, Terraform, GCP, MySQL, Oracle database, Ansible, Tableau, GitHub Actions, YAML, Bitbucket, Maven, Jenkins, YAML Azure monitoring, Dynatrace, ARM Template, Azure CLI, CloudTrail, CloudWatch, Elastic load balancer, Selenium, Bash Shell Scripting, Chef, GitLab CI, AKS, Datadog, Azure Resource Graph.

**Role: AWS DevOps Engineer Jan 2020 to Oct 2022**

**Client: US Federal Courts, San Antonio, Texas.**

**Responsibilities:**

* Implemented AWS Cloud platform and its features including EC2, VPC, EBS, AMI, SNS, RDS , SNS, SES, RedShift, Aurora, ELB, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Auto Scaling, Cloud Front, IAM, S3, Route 53, DynamoDB, and Amazon RDS.
* Using Chef deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch. Experienced in writing Terraform templates to provision Services in AWS.
* Earned AWS DevOps Engineering certification demonstrating hands-on expertise deploying systems on AWS.
* Practical experience with the Elastic Stack (Elasticsearch, Logstash, and Kibana) for real-time analytics, centralized logging, and log data visualization.
* Wrote Helm templates for creating AWS resources like SQS queues, S3 buckets, RDS instances.
* Mentored colleagues on Kubernetes app packaging best practices using Helm.
* Adding Compute nodes into OpenStack cloud platform. Responsible for supporting and maintaining OpenStack in a production environment.
* Used Chef, deployed and configured ELK for log analytics, full text search, application monitoring in integration with AWS Lambda and Cloud Watch.
* Built ServiceNow integrations with Amazon EventBridge to intake and process AWS service events.
* Created custom machine images and automation tool Ansible using Terraform along with packer to install software's after the infrastructure is provisioned.
* Involved in working with Terraform to bring up a count of 'container instances' or 'nodes' in an AWS EKS cluster with different instances running on each one.
* Created Ansible Playbooks and wrote recipes in Yaml Script to install and configured Infrastructure across environments and automated the process using Python Script.
* Worked on implementing microservices on Kubernetes Cluster and Configured Operators on Kubernetes applications and all its components, such as Deployments, Config Maps, Secrets and Services.
* Utilized Helm Package Manager to create custom charts for AWS EKS Kubernetes applications, facilitating easy deployment and management.
* Managed Helm charts for reproducible builds, versioning, and release management of AWS EKS Kubernetes applications.
* Configured and administered Jenkins for automated builds and Responsible of CI/CD for installing Jenkins master and slave nodes and maintenance of build pipeline.
* Managed Git repository, code merging, production deployments and analyzed and resolved conflicts related to merging of source code for Git.
* Configured ELK stack for AWS EKS cluster monitoring, creating custom dashboards to visualize key metrics and performance indicators
* Responsible for implementing Terraform backend configurations to manage state files securely in S3 with state locking.
* Implemented backup and recovery strategies for SQL databases.

**Role: DevOps Engineer/Site Reliability Engineer(SRE) Jan 2017 to Dec 2019**

**Client: Workday.Inc , Pleasanton, CA**

**Responsibilities:**

* As a SRE I Develop and maintain automation scripts and tools for deployment, monitoring, and incident response.
* Configured Kubernetes environments with namespaces, resource quotas, admission controllers, labels, and taints for workload distribution among multiple projects.
* Participated in multiple Agile Release Trains (ARTs) as an SRE supporting application teams.
* As a SRE I Build and maintain automated systems for deployment, scaling, and infrastructure management.
* I Ensure systems comply with industry regulations and standards and work towards certifications as SRE.
* Created Ansible roles in YAML and defined tasks, variables, files, handlers, and templates. Created inventory and configured the Ansible files for parallel deployment in Ansible for automating the Continuous delivery process.
* Experience implementing Azure services such as Azure Active Directory (AD), Azure storage, Azure cloud services, IIS, Azure Resource Manager (ARM). Azure Blob Storage, Azure VM, SQL Database, Azure Functions, Azure Service Fabric, Azure Service Bus.
* Integration with a private Docker Registry and deployment of OpenShift Enterprise 3.4/3.6 on a RedHat 7 system.
* Working experience with Azure Resource Manager (ARM) to deploy, update, and delete multiple Azure resources, as well as migrating on-premise resources to Azure with Azure site recovery (ASR), and Azure backups.
* Used Azure DevOps services such as Azure Repos, Azure Boards, and Azure Test Plans to plan work and collaborate on code development, built and deployed application.
* Extensively worked on Jenkins Continuous Integration and strong experience with integration of Ant and Maven Build as build tools for the building of deployable artifacts (jar, war & ear) from source code.
* Used Atlassian tools JIRA, Confluence, Bitbucket, Jenkins for defect management, CI/CI pipelines, team collaboration, source code management and continuous integration and deployment practices.
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations, and plugins for the JIRA bug/issue tracker.
* Also, as Linux System & Middleware Administrator responsible for the day-to-day administration and administration of RHEL 5, 6/ CentOS which includes installation, testing, tuning, upgrading, and loading patches, troubleshooting.
* These are all the tech I used at Workday: Ansible, Puppet, Docker, Kubernetes, OpenShift, Jenkins, Maven, Ant, Atlassian tools (JIRA, Confluence, Bitbucket), Git, Nginx, Apache Tomcat, Maven, Ant, AWS, AWS Cloud Watch, AWS config.

**Role: Linux Administrator Oct 2013 to Dec 2016**

**Client: Citi Bank, Irving, Texas.**

**Responsibilities:**

* Managed and administrated all UNIX servers, includes Linux operating systems by applying relative patches and packages at regular maintenance periods using Red Hat Satellite server, YUM, RPM tools.
* Prepare specs for new infrastructure and VMware servers, disk storage, and network switches, routers, firewalls, and VPN.
* Planned and performed the upgrades to Linux (RHEL 5x, 6x, SUSE 10, 11, CENTOS 5, 6) operating systems and hardware maintenance like changing memory modules, replacing disk drives.
* Handling NFS, Auto Mount, DNS, LDAP related issues. Install and configure DHCP, DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3), and file servers on Linux servers.
* Monitoring CPU, memory, physical disk, Hardware, and Software RAID, multipath, file systems, network using the tool 4.0 monitoring.
* Deployment and Configuration of application server Tomcat deploying Java and Web Application.
* Writing Shell scripts for automation of daily tasks, documenting the changes that happen in the environment and in each server, analyzing the error logs, analyzing the User logs, analyzing the /var/log/messages.
* Design, build, and maintain production servers and RAID storage system.
* Installation, configuration, backup, recovery, maintenance and support of RedHat Linux and Solaris.
* User account management worked with shell scripting (bash) to automate administration tasks.
* Responsible for installing, upgrading and managing packages via RPM and YUM.
* Logged events from forced crash dumps and troubleshoot server issues.
* Configured Yum repository server for installing packages from centralized server.
* Installed Fuse to mount the keys on every Debian Production Server for Password-less authentication.
* Installed and Configured DCHP server to give IP leases to production servers.
* Applied the clustering Topology that meets High Availability and Failover requirements for performance and functionality.
* Installation, Configuration and administration of DNS, LDAP, NFS, NIS and send mail on Red hat Linux/Debian severs.
* Troubleshooting Day-to-Day issues with various Servers on different platforms.
* File system Administration, Setting up Disk Quota, solutions on SAN/NAS storage.
* Configuration and administration of Clustered servers on SUSE Linux environment.
* Configuring backups on newly built servers and monitoring failed backups.
* Install and configure Ubuntu, Centos on remote servers and Desktop servers.
* Installation of patches and packages using RPM and YUM in Red hat Linux.
* Installed and configured Apache/Tomcat web server.
* Created and modified users and groups with SUDO permission.

**Role: Linux Administrator Feb 2013 to Sep 2013**

**Client: Zensar Technologies, Hyderabad, India .**

**Responsibilities:**

* Perform daily maintenance tasks on Linux severs, monitoring system access, managing disk space and tuning the system for optimum performance.
* Responsible for writing and modifying scripts for day-to-day administration.
* Installed and configured and administration of RedHat Linux servers and support.
* Responsible for setting up Cron Jobs scripts on production server.
* Monitored system activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Setup Linux workstations with hardware and software RAID and implement LVM. Configure and maintain clustered RAID subsystems.
* Wrote technical documentation for various projects.
* Performed OS upgrades and patching when required.
* Wrote bash shell scripts to automate various Linux servers
* Working with developers to load software onto Linux Enterprise servers and debugging Scripts.
* Set up and administer user and groups accounts, setting permissions for users.
* Diagnosed and resolved problems associated with DNS, DHCP, VPN, NFS, and Apache.
* Creation and administration of Virtual Machines using VMware and virtual box.
* Maintaining the Linux Firewall for network and implement to the network security.
* Resolving TCP/IP network access problems for the clients. Develop, Maintain, update various scripts for services (start, stop, restart, recycle, Cron jobs) UNIX based shell.
* Regularly manage backup process for server and client data.
* Installed new servers using kick-start installation, lockdown the servers and perform performance tuning for database installation and configuration.
* Experience in using various Network Protocols like HTTP, UDP, FTP, and TCP/IP.
* Troubleshoot issues with VMs running on VMware ESXi 5.5 and 6.0. Review hypervisor logs using vSphere web and thick client. Troubleshoot performance and storage issues. Build, migrate and clone machines.