**EXPERIENCE**

* AWS certified cloud engineer with around 6+ Years of experience in IT industry comprising of Systems Administration and Change Management, Software Configuration Management (SCM), Build and Release management and Process Engineering.
* Currently working on Enterprise - wide development team for Puppet-based application, middleware, patching and configuration deployment engineering
* Hands - on experience on creating multiple AWS instances, Elastic Load Balancer and Auto scaling to design cost effective, fault tolerant and highly available systems.
* Hands on experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Fabric controller, Azure AD, Storage Accounts and ARM templates
* Expertise in automating the builds and releases of Java, .NET and AngularJS applications using VSTS/Azure DevOps Services.
* Experience in AWS Cloud infrastructure and its services like VPC, Subnets, Route53, EC2, ELB, SNS, CloudWatch, ELB, Auto Scaling, AMI, IAM, CloudFormation etc
* Worked on automating the provisioning of AWS cloud using CloudFormation and Terraform, and Azure Cloud resources using ARM Templates
* Experience in Designing AZURE Resource Manager (ARM) templates and extensive experience in designing custom build steps using PowerShell
* Hands-on experience in Deployment with Chef, Ansible towards AWS or Azure, and Terraform for building, updating, and versioning infrastructure efficiently, and creating custom in-house solutions with Chef or Ansible configurations
* Ability to work with version control tools like GIT, Team Foundation Server (TFS), Bitbucket and SVN for branching and maintaining the version across the environments.
* Good knowledge on Linux/Unix, Windows System Administration and applying various DevOps techniques in mixed environments of Linux (Ubuntu, Red Hat, CentOS) and Windows servers.
* Experienced in Automating, Configuring and deploying instances on AWS, Azure environments and Data canters, also familiar with EC2, Cloud watch, Cloud Formation and managing security groups on AWS.
* Private Cloud Environment - Leveraging AWS and Puppet to rapidly provision internal computer systems for various clients.
* Develop Puppet modules and role/profiles for installation and configuration of software for required for various applications/blueprints.
* Written the Python plugin for collected to write metrics to state. Also, Developed Python and shell scripts
* Wrote python scripts to manage AWS resources from API calls using BOTO SDK and also worked with AWS CLI.
* Wrote Ansible playbooks to launch AWS instances and used Ansible to manage web applications, configuration files, used mount points and packages.
* Setup Puppet Master, client and wrote scripts to deploy applications on Dev, QA, production environment.
* Professional in deploying and configuring Elasticsearch, Logstash, Kibana (ELK) and AWS Kinesis for log analytics and skilled in monitoring servers using Nagios, Splunk, AWS CloudWatch, Azure Monitor and ELK.
* Skilled with Python, Bash/Shell, PowerShell, Ruby, Perl, PowerShell, JSON, YAML, Groovy. Developed Shell and Python Scripts used to automate day to day administrative tasks and automation of the build and release process.
* Maintenance and Vulnerability Management of Hybrid infrastructure and CI/CD using Chef - Cookbooks.
* Experience with Chef Enterprise Hosted as well as On-Premise, Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef-server , managed On-site Applications/ Services/Packages using Chef as well as AWS for EC2/S3/Route53 & ELB with Chef Cookbooks.

**TECHNICAL SKILLS:**

**Operating Systems:** Linux Red Hat (4.x, 5.x, 6.x), Linux Centos, Ubuntu, Unix, Windows A|X.

**Version Control Tools:** GIT, SVN, TFS.

**Web/Application Servers:** Web Logic, Apache Tomcat, Web Sphere and JBOSS, IIS

**Automation Tools:** Jenkins/Hudson and Build Forge.

**Build Tools:** Ant, Maven, NAnt, MS Build, Gradle, Terraform.

**Configuration Tools:** Chef, Puppet and Ansible.

**Scripting:** Shell, Perl, Powershell, Bash, Jython and Python.

**Virtualization Tools:** Docker, Kubernetes, VM virtual Box and VMware.

**Monitoring Tools:** Nagios, Cloud watch, Jira, VSTS

**Cloud Platform:** AWS EC2, VPC, ELB, RDS, Route 53, ECS, EBS, Cloud formation, Docker, AWS Config, Microsoft Azure.

**Work Experience:**

**Ocelot Consulting**

**Client - Ameren**

**AWS Cloud Engineer July 2019 - Present**

* Working in hybrid cloud environment.
* Design an architect infrastructure for enterprise tools Jira, Confluence, GitHub and Devops tools SonarQube, Artifactory, Xray and Hygieia.
* Providing infrastructure Support needed for enterprise tools and Devops tools in Production and development accounts.
* Terraform (IaC) to build ECS infrastructure for Hygieia.
* Writing UNIX shell scripts to automate the jobs and scheduling cron jobs for job automation using commands with Crontab.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python.
* Experience with Puppet to more easily manage enterprise Puppet deployments
* Designed and implemented Azure Cloud Infrastructure using ARM templates, runbooks, automation and provisioning process.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Automated the cloud deployment using Chef, Python and ARM templates
* Implemented ECS Docker container networking and load balancer dynamic port mapping techniques.
* Worked on Task Definitions, container definitions, NACLs, Security Groups, ACM, WAF.
* Setting up RDS and MongoDB for different applications with terraform.
* Built terraform for EKS (Elastic Kubernetes Cluster) cluster to deploy Jenkins application.
* Deployed JIRA and Confluence applications using CloudFormation (IaC) with highly available and fault tolerant architecture.
* Conducted DR test for all devsecops applications in non-production and production.
* Worked on building Transit VPC hubs, VPN, direct connect, Directory services, DNS routing with route53.
* Designed multi region network architectures with direct connect, direct connected gateway, transit gateways. Worked with VPC peering.
* Managing on-prem to cloud routing with Managed AD and DNS.

**AMERICAN PROFESSIONAL COMPUTER CONSULTANTS**

**Client- TD Securities**

**AWS Infrastructure Engineer Dec 2018–June 2019**

* Working with landing zone for multi account architecture.
* Creation of service catalog products using cloud formation for provisioning different services like S3, EC2, SNS, SQS.
* Working with Continuous Integration (CI) and Continuous Delivery/Deployment (CD) Environment.
* Build and Deployed the code artifacts into the respective environments in the Confidential Azure cloud.
* Involved in design, implementation and modifying the Python code.
* Used Azure Container Services with Kubernetes for Orchestrating the servers.
* Created Non-Prod and Prod Environments in Azure from scratch.
* Developed website both frontend and backend modules using Python Django Web Framework.
* Designed front end website using HTML5, CSS3, JavaScript, jQuery, Ajax, Bootstrap.
* Developed Views and Templates with Django view controller and template language to create a user-friendly website interface.
* Deployed and Published Django Web App in platform as a services PaaS in azure App services.
* Worked on AWS EC2/VPC/S3/SQS/SNS based on automation Terraform, Ansible, Python, Bash Scripts.
* Developed Python and shell scripts for automation of the build and release process.
* Managing service catalog with portfolios.
* Designing VPC architecture with gateway endpoints and interface endpoints to route traffic without IGW.
* Worked on Cloud Formation to deploy VPCs.
* Security analysis using aws security hub integrated with amazon guard duty, amazon macie, amazon inspector.
* Working on IAM roles permissions for AD-users to use service catalog products and portfolios.
* Creating workspaces for end client users with amazon workspaces.
* Worked with systems manager for setting up ssh key less authentication to terminal via sessions manager with console.
* Worked with AWS organization and SCPs to manage services level permissions to different accounts in different organizations.
* Mounting EFS volumes onto user workspaces.
* Provisioning ECS cluster with service catalog with default installation of SSM agent for logging into instances with session manager.
* Created different cloud watch alarms using custom managed metrics to monitor the environment.
* reduced costs by creating Customized Alarms. Managed Billing across several AWS accounts and reduced costs by effectively utilizing the resources.
* Setup & configured EIP to EC2 instances.

**Veridic Solutions**

**AWS-DevOps Engineer May 2018 - Dec 2018**

* Designed, configured and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS) including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Elastic Beanstalk, S3, Glacier, CloudFront, RDS, VPC, Route53, Cloud Watch, Cloud Formation, IAM, SNS.
* Administration and Architect of Cloud platforms (AWS).
* Experienced in creating Amazon EC2 instances and setting up security groups.
* Creating AWS load balancers to distribute the load on different servers as per the application requirements
* Configure auto scaling of servers based on load and performance.
* Optimized volumes and EC2 instances& Created multi-AZ VPC instances.
* Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Designing and deploying highly scalable infrastructure using ELB and Auto scaling services. o Configuring Cloud Front.
* Planning and Implementing Disaster Recovery and Fault for AWS services.
* Setting up AWS RDS (AZ-Failover and Read replicas)
* Performed configuration, deployment and support of cloud services including Amazon Web Services (AWS).
* Experienced in Installation, Configuration and Administration of Red Hat Linux, Cent OS and VMware Environments.
* Worked on Docker container snapshots, attaching to a running container, removing images, building images with docker file and committing images to Docker Hub, managing directories structures and managing containers.
* Defined dependencies and plugins in Maven pom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags and servers.
* Port redirecting and volume mounting into docker containers from host machines.
* Experience in using configuration management tools like Ansible.
* Installing, configuring and administering Jenkins CI tool on Linux machines.

**UNIVERSITY OF ALABAMA IN HUNTSVILLE**

**Cloud Engineer Aug 2016– May 2018**

**Lyons HR**

**Cloud Engineer May 2018- Dec 2018**

**Elwood**

**Cloud Engineer Dec 2018 - April 2019**

* Creation & management of EC2, S3, Identity & Access Management (IAM) Other AWS Services
* Creating users and Group providing them with suitable permissions. Managed Users and Groups, File/Directory Permissions under Linux.
* Installing/updating of software packages using YUM and RPM. Experience in Using YUM Repository.
* Handling the scheduling tasks (Crone jobs and task scheduler) for the scripts for various purposes.
* Backup and Recovery using Tools like Tar and Gzip.
* Created Volume Groups, Logical Volumes and File Systems using LVM on Linux.
* Managing storage requirements using Amazon S3 service.
* Taking periodical snapshots of EC2 instances for recovery.
* Configuring firewalls using security groups and Network Access Control Lists in AWS.
* Configure and manage Private and public subnets using VPC service and route tables.
* File system management using EBS and EFS.
* Creating S3 Buckets and configuring Versioning and Life Cycle Management and used S3 Bucket and Glacier for storing historical data.
* Setting up AWS Cloud watch alarms and Custom Metrics for AWS services
* Configured S3 to host Static Web content.
* Implemented Backup & Recovery, S3 life cycle management.
* Created AMI of EC2 instances using AWS CLI and IAM security best practices.
* Created and Managed DNS entries using Route53 to route traffic between different regions.

**Pramati Technologies**

**Linux Admin May 2014 - June 2016**

* Installation and administration of RHEL 4.0/5.0, Centos 3/4/5 and SUSE 10.x and tuning the kernel parameters based on the application and database requirements.
* Wrote UNIX shell scripts for automated installations, to extract logs using Bash.
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems on LINUX environments using shellscripting.
* Diagnose and resolve problems associated with DHCP, DNS, VPN, NFS, Tomcat and Apache.
* Involved in Linux backup/restore with tar including formatting and disk partitioning.
* Involved in development, user acceptance, and performance testing, production & disaster recovery server.
* Responsible for setting up Cron jobs scripts on production servers.
* Perform new builds and decommissions of both physical and VMware servers.
* Responsible for configuring real time backup of web servers.
* Created and modified users and groups with SUDO permission.
* Coordinating users for any server activities which may involve major changes on software or any hardware related issues.
* Applied appropriate support packages/patches to maintain system integrity.
* Managing the groups and user in Active Directory, installing and configuring send mail and adding servers to domain.
* Monitoring CPU, memory, physical disk, multipath, file system network using the tools NAGIOS monitoring.

**CERTIFICATIONS & TRAINING**

* AWS Certified Solutions Architect - Associate
* AWS Certified SysOps Administrator - Associate
* AWS Certified Advanced Networking - Specialty
* Microsoft Certified: Azure Fundamentals
* AWS Certified Solutions Architect - Associate by Linux Academy
* AWS Certified SysOps Administrator - Associate by Linux Academy
* AWS Certified Advanced Networking - Specialty by Linux Academy
* Red Hat Certified System Administrator – RHCSA
* CentOS and RedHat Linux – Udemy
* Aviatrix Certified Engineer - Multi-Cloud Network Associate

**SKILLS**

**Cloud services: Amazon Web Services**: EC2, ELB, RDS, Route53, S3, Lambda, IAM, CloudFront, CloudWatch, Cloud Formation, Elastic Beanstalk, SNS, SQS, SWF, ECS, DynamoDB, RDS MySQL, Auto Scaling, DynamoDB, GCP.

**Virtualization:** VMware Client, Virtual Box, Docker.

**Automation Tools**: Maven, Jenkins, Ansible, Docker, Kubernetes, ECS, Kinesis, EMR.

**Source Code Management:** Git, GitHub, Bitbucket.

**Networking:** Wireless/VPN Architecture, DNS, LANs/WANs, TCP/IP, DHCP, Hubs, Bridges, Routing & Switching, FTP, HTTP, Telnet, IoT.

**Network Security:** Firewalls, IPSec, VPN, SSL, Nmap and Metasploit.

**EDUCATION**

**University of Alabama in Huntsville Huntsville, AL**

**Master’s in Computer Engineering**

**GITAM University Visakhapatnam, AP**

**Bachelor’s in Electrical & Electronics Engineering**