Name:

Email:

Phone:

Summary

* 8+ Years of Experience in various AWS and GCP services. Architecture scalable and cost-efficient multi- cloud backend using both AWS and GCP.
* Experience in AWS platform and its dimensions of scalability including EC2, Lambda, S3, s3, VPC, ELB, AMI, SNS, SES, SQS, RDS, IAM, Route 53, Elastic Container Service (Docker Containers), Elastic Beanstalk, Auto scaling, CloudFormation, CloudFront, CloudWatch, Redshift, Direct Connect, API Gateway, and other services of the AWS.
* Experienced with deployment automation of all the micro-services to pull the image from the private Docker registry and deploy to Docker Swarm cluster using Ansible. Used Terraform to create AWS components like EC2, IAM, VPC, ELB, security groups.
* Experience in working on Ansible Playbooks, Inventory files, Vault feature to configure the servers, deploy software, encryption of data file and orchestrate continuous deployments or zero downtime rolling updates. Worked on Ansible Tower which provides an easy-to-use dashboard, and role-based access control.
* Working experience in DevOps concepts like Continuous Integration, Continuous delivery.
* Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing, and implementing and Post-production analysis of the projects.
* Experience working in a DevOps Environment as a DevOps engineer working on various technologies/applications like Puppet, CHEF, GIT, SVN, Jenkins, Docker, AWS and Maven.
* Experience in installation, configuration, tuning, security, backup, recovery and upgrades of Linux (Red hat, Centos, Ubuntu   
  Created build pipeline for application versions, using Jenkins Continues Integration.
* Automated application deployment in the cloud using Docker technology using Elastic Container Service scheduler.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Extensive experience with software builds tools like Apache Maven, Apache Ant.
* Experience in AWS firewall, Cloud security, and Azure firewall.
* Used Groovy scripts for CI/CD pipeline builds and actively involved in the entire pipeline setups using Jenkins, Nexus, GitHub, Terraform, AWS, XL Deploy and XL Release.
* Worked with Build and Release automation framework designing, Continuous Integration and Continuous Delivery, Build and Release Planning, Procedures, scripting and automation.
* Hands-on experience in bootstrapping the nodes using knife and automated by testing Chef Recipes, Cookbooks with test-kitchen and chef spec.
* Hands-on in using OpenShift for container orchestration with Kubernetes, container storage, automation, to enhance container platform multi-tenancy. Experience with OpenShift, Kubernetes architecture and design, troubleshooting issues and multi-regional deployment models and patterns for large-scale applications.
* Experience in Jenkins by installing, configuring and maintaining the purpose of Continuous Integration (CI) and End-to-End automation for all build and deployments implementing CI/CD for database using Jenkins.
* Deploying applications using Jenkins server and Troubleshoot build and release job failures, resolve, work with engineering on resolution.
* Expertise in Application Deployments & Environment configuration using Chef, Terraform and Puppet.
* Supported server/VM provisioning activities, middleware installation and deployment activities via Ansible and Written Ansible playbooks Provision several pre-prod environments.
* Experience creating, managing and performing container-based deployments using Docker images Containing Middleware and Applications together.
* Performed automation tasks on various Docker components like Docker Hub, Docker Engine, Docker Machine, Compose and Docker Registry.
* Experience in building Server using Jumpstart, Kickstart, NIM, and Ignite Process.
* Excellent experience and knowledge with designing installing and implementing VMware ESX server, VMware virtual center, setting up V-Motion, HA, DRS.
* Experience in orchestration and Migration of CI/CD processes using Cloud Formation, Terraform Templates & Containerization of Infrastructure using Docker, which was set up in Vagrant, AWS and VPC's.
* Proficient in Ruby, Perl, Power Shell, JSON, YAML, Groovy, Bash/Shell, Python. Developed python, and shell scripts for automation of the build and release process.
* Experience in working with SQL database like MySQL, Oracle 10i/9i/8i, SQL Server and NoSQL databases like MongoDB, DynamoDB and Cassandra.
* Experience in using JIRA and confluence.
* Experience in using build tools like MAVEN and ANT for the building of deployable artifacts such as war & ear from source code.
* Worked in container-based technologies like Docker, Kubernetes and OpenShift.
* Automated AWS resources like EC2 instances, Security groups, ELB, RDS, and IAM through AWS cloud Formation templates and used Ansible Tower to manage and configure nodes.
* Experience in creating ARM templates for Azure platform and in migrating on premise to Azure.
* Expertise in configuring ELK (Elasticsearch, Logstash & Kibana), Nagios and Splunk for Log monitoring of various applications.
* Experience in Installations/Deployments, and Troubleshooting enterprise web applications like Apache Tomcat, IBM WebSphere, Nginx, JBOSS and Oracle WebLogic.
* Good Working knowledge of Build scripts & automated solutions using various scripting languages like Shell, Python, Bash, Perl, Ruby, PowerShell, and YAML.
* Experience on AWS Directory Service, AWS Domain Services and AWS SNS (Simply Notification Service)
* Experience in Build & Release, ALM, TFS, VSTS Administration and Configuration management. Proficient in integrating TFS with SharePoint, SSRS and Project server.
* Expertise in Using AWS services including EC2, Auto Scaling in launching EC2 instances, Security Groups, ELB, Elastic Beanstalk, S3, EBS, AMI, Glacier, Cloud Front, RDS, VPC, Cloud Watch, Cloud Formation, Cloud Trail, Cloud Front, MI, Route 53, IAM, SNS, SQS and Security Groups.
* Experience in working on version control systems like Subversion, GIT, TFS and used Source code management client tools like GitBash, and GitHub.
* Experienced in Azure IaaS, Provisioning VM's, Virtual Hard disks, Virtual Networks, Deploying Web Apps and Creating Web-Jobs, Azure Windows server 2008/2012/R2, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, Cloud infrastructure.
* Experienced in configuring Cloud platform such as Virtual Networks Multi-site, Cross-site, VMs, Azure AD, Load Balancers, Azure SQL, Cloud Services, etc.
* Experience writing Ansible playbooks to deploy automated tasks to multiple servers using Python, Managing Configurations of AWS Nodes and Test Playbooks on AWS instances using Python and written Ansible Scripts to assist Dev servers.
* Experience in designing AWS cloud models for Infrastructure-as-a-Service (IAAS), Platform-as-a- Service (PAAS) and Software-as-a-Service (SAAS). Implementing Data warehouse solutions in AWS Redshift worked on various projects to migrate data from on database to AWS Redshift, RDS and S3.
* Solid understanding of Unix/Linux operating systems, networking, architecture, and core web technologies (such as DNS, Routing, TCP/IP, VPN, and Load Balancing)

Technical Skills:

|  |  |
| --- | --- |
| Operating Systems | Linux (CentOS), Unix, Windows |
| Version Control Tools | Subversion (SVN), GIT, Code Commit |
| Languages | C, Bash, Shell, Python |
| Databases | My SQL, PostgreSQL, NoSQL - Redis, Elastic Search |
| Application Servers | Apache, Tomcat, Weblogic, WebSphere |
| Tools | Jenkins, Kubernetes, Ansible, Terraform, Chef, Kibana, Docker. |
| Cloud | Azure, EC2, VPC, EBS, SNS, RDS, ELB, EBS, IAM, DynamoDB, CloudWatch, CloudFormation, S3, Autoscaling, CloudTrail, Lambda. |

Project Summary

Client:

Sr. Cloud/ DevOps Engineer Jan 2022 - present

Responsibilities:

* Worked on deployments, Maintenance and troubleshooting applications on Amazon Cloud infrastructure.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Used Terraform to reliably version and create infrastructure on AWS. Created resources, using AWS Terraform modules and Cloud formation template, and automated infrastructure management.
* Used Splunk for monitoring and analyzing log information. Experienced in Troubleshooting. Splunk search, quotas, monitor Inputs, WMI Issues, Splunk crash logs and Alert scripts.
* Creating Grafana, Prometheus, Alert manager for the Kubernetes cluster, which helps to, actively monitor and alerts based on the rules configured.
* Expertise in building new dashboards using Grafana and Kibana and setting up alerts and sending notifications to PagerDuty, email and slack.
* Used AWS Kubernetes Service to deploy a managed Kubernetes cluster in AWS and created an EKS cluster in the AWS portal, with the AWS CLI, also used template driven deployment options such as Resource Manager templates and terraform.
* Worked on Kubernetes architecture and design, troubleshooting issues with platform components and developing global or multi-regional deployment models and patterns for large-scale developments and deployments on OpenShift and Kubernetes.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format.
* Used Kubernetes to manage containerized applications using its nodes, Config-Maps, selector, Services and deployed application containers as pods.
* Extensively worked with Scheduling, deploying, managing container replicas onto a node using Kubernetes and experienced in creating Kubernetes clusters work with Helm charts running on the same cluster resources.
* Managed Kubernetes charts using Helm, and Created reproducible builds of the Kubernetes applications, managed Kubernetes deployment and service files and managed releases of Helm packages.
* Installed Docker Registry for local upload and download of Docker images. From Docker Hub, created Docker files to automate the process of capturing and using the images.
* Wrote Ansible Playbooks using Python SSH as Wrapper for Managing Configurations of servers, Nodes, Test Playbooks on Azure instances using Python.
* Worked on Ansible Playbooks with Ansible roles. Created inventory in Ansible for automating the continuous deployment. Configured the servers, deployed software, and orchestrated continuous deployments or zero downtime rolling updates.
* Implemented Ansible Tower for managing complex network deployments by adding control, knowledge and delegation to Ansible powered environments.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible Playbooks and has integrated Ansible with Jenkins.
* Extensively worked on Continuous Integration (CI) and Continuous Deployment (CD) process by automating build on time basis using Jenkins.
* Involved in the functional usage and deployment of applications in WebLogic and WebSphere server.
* Worked with JIRA as Bug tracking tool. Generated reports using JIRA for creating projects, assigning permissions to users and groups for the project and created mail handlers and notifications schemes for JIRA.

Qentelli Inc, Dallas, TX

AWS Cloud/ DevOps Engineer Oct 2020 – Dec 2021

Responsibilities:

* Maintained and developed production-level cloud-based architecture in AWS, includes creating machine images like AMI and helps in migrating and managing multiple applications from on-premise to cloud using AWS services like S3, Glacier, VPC, EC2, RDS, SQS, SNS, SES, IAM, EBS, ELB, SES, Security Group, Auto Scaling, Elastic Cache, Cloud Front, Cloud Watch in Cloud Formation JSON templates.
* Used Identity and Access Management (IAM) to assign roles and to create and manage AWS users, groups and assign permissions to AWS resources.
* Automated the cloud deployments using Jenkins, Ansible and AWS Cloud Formation Templates.
* Configured, supported and maintained all network, firewall, storage, load balancers, operating systems, and software in AWS EC2 and created detailed AWS Security groups which behaved as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Created Golden AMI with latest patches, software and tools for logging and monitoring.
* Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespaces.
* Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Wrote Python Code using Ansible Python API to Automate Cloud Deployment Process.
* Performed Continuous Integration (CI) and Continuous Delivery (CD) process implementation-using Jenkins along with Python and Shell scripts to automate routine jobs.
* Involved in authoring Terraform scripts to automate and deploy AWS cloud services.
* Planning, Design, Road maps, POC implementations for AWS Cloud technologies like Cloud first strategy.
* Implementing a Continuous Delivery framework using Jenkins, Ansible, Maven & Nexus in Linux environment.
* Proficient in AWS services like VPC, EC2, S3, ELB, Auto-ScalingGroups(ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Creating cloud formation scripts for hosting software on AWS cloud. Automating the installation of software through PowerShell scripts
* Writing JSON templates for cloud formation and ruby scripts for chef automation and contributing to our repository on GitHub.
* AWS Import/Export accelerates moving large amounts of data into and out of AWS using portable storage devices for transport.
* Created and automated the Jenkins pipeline using pipeline groovy script for the applications.
* Used EC2 Container Service (ECS) to support Docker containers to easily run applications on a managed cluster of Amazon EC2 instances.
* Created the Docker containers and Docker consoles for managing the application life cycle.
* Deployed LAMP based applications in AWS environment, including provisioning MYSQL- RDS and establishes connectivity between EC2 instance and MySQL-RDS via security groups.
* Scripted Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python. Run Ansible Scripts to provision Dev servers.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning Kubernetes clusters on EC2 instances using Docker, Bash, Chef, and Terraform.

Accenture, Hyderabad, India

AWS Cloud/ DevOps Engineer Jan 2019- Sept 2020

Responsibilities:

* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Implemented CI and CD pipelines to build potential infrastructure configured to run with zero down time.
* Used Git as a source control tool to perform all necessary day to day activities with Bitbucket as web hosting platform for different projects.
* Extensively worked on Jenkins for integration of the code from the repository and to automate the build process to generate artifacts.
* Refined automation components with scripting and configuration management using Ansible.
* Installed and configured the build utility Maven with Jenkins to build jar, war, ear files and helped the team to write the Maven Scripts that are compatible on production environment.
* Responsible for application Build & Release process which includes Code Compilation, Packaging, Security Scanning and code quality scanning, Deployment Methodology and Application Configurations.
* Experience in Amazon Cloud Services (AWS) creating features like EC2, IAM, VPC, EBS, AMI, APIs, Route 53, snapshots, Auto scaling, Cloud watch, Cloud Trail, Cloud Front, SQS, SNS, RDS, CloudWatch, S3, API Gateways, Auto scaling, ALB, NLB, Lambda, Security groups using Terraform.
* Create & Utilize Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo tables, EBS volumes, Lambda Functions. Encrypting the EBS volumes to make sure the data in rest is secured and protected
* Maintain the Nexus artifact repository and moved the builds to it using Jenkins interface. Deployed applications in the form of artifacts and troubleshooting them in production and development environments to maintain load balancing, failover, and high availability.
* Built a new CI pipeline. Testing and deployment automation with Docker, Jenkins.
* Wrote Python scripts for pushing data from DynamoDB to MySQL Database.
* Development of infrastructure automation in AWS (EC2, DynamoDB, Lambda, EBS, RDS, Dynamo, ELB, EIP etc.) with AWS Cloud Formation.
* Developed highly available, cost effective and fault tolerant systems using Auto Scaling, Elastic Load Balance.
* Deployed Ansible, Ansible Dashboard and Ansible DB for configuration management to existing infrastructure.
* Used Jenkins and pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Managed all the bugs and changes into a production environment using the JIRA tracking tool.

Pennant Technologies, Hyderabad, India Jul 2017 – Dec 2018

Linux Admin/ DevOps Engineer

Responsibilities:

* Designed terraform templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of Open Stack Nodes and Test Playbooks on AWS instances using Python.
* Developed several playbooks using Ansible and deployed the applications/services on the client hosts.
* Worked on Ansible setup, managing hosts file, Using YAML linter, authoring various playbooks and custom modules with Ansible
* Knowledge with many AWS services like Ec2(Linux & windows), RDS, S3, Lambda, CloudWatch Schedulers, API Gateways, Auto scaling, ELB, ALB, NLB, R53, VPC, Security groups
* Administered and supported SVN and GitHub Enterprise version control tool.
* Automated the Build & Deployment environment end -to-end using Jenkins.
* Created and maintained the Shell deployment scripts for TC Server/Tomcat web application servers.
* Worked on Agile methodology and used JIRA for issue tracking
* Converting existing AWS infrastructure to server less architecture (AWS Lambda) deployed via Terraform or AWS Cloud formation.
* Wrote Ansible playbooks from scratch in YAML. Installing, setting up & Troubleshooting Ansible, created and automated platform environment setup.
* Use Kubernetes to deployed Docker containers into Pod Clusters on multiple Nodes in QA, Test and Production Environments
* Managed different infrastructure resources, like physical machines, VMs and Docker containers using Terraform
* Worked on Continuous Integration System i.e. Jenkins. Used Jenkins for official nightly build, test and managing change list. Installed Multiple Plugins for smooth build and release build pipelines.
* Proficient with Jenkins and Bamboo for continuous integration and for End-to-End automation for application build and deployments.
* Experience with Docker, Kubernetes, swarm and clustering frameworks
* Experience in designing AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Created Microservices applications with integrations to AWS services by using Amazon EKS, while providing access to the full suite of Kubernetes functionality.

Kony Labs, Hyderabad, India

AWS Cloud/ DevOps Engineer Oct 2015- June 2017

Responsibilities:

* Build servers using AWS, importing volumes, launching EC2, RDS, creating security groups, auto-scaling load balancers (ELBs) in the defined virtual private connection.
* Created Amazon AWS EC2 instances for installing, configuring and troubleshooting on various Amazon images like Amazon Linux AMI, RedHat, and Ubuntu.
* Maintaining cloud infrastructure using AWS EC2, S3, Cloud watch, Cloud Formation, Route 53 and Created monitors, alarms and notifications for EC2 hosts using Cloud Watch.
* Used Ansible Playbooks to automate in AWS services like Launching EC2, Provisioning IAM, Configuring VPC, EBS, Monitoring using Cloud Watch and Cloud Trail.
* Used Amazon IAM to grant fine access of AWS resources to users. Also, managed roles and permissions of users to AWS account through IAM.
* Used Amazon Route53 to manage DNS zones and give public DNS names to elastic load balancers ip's.
* Worked with AWS Code Pipeline and creating cloud formation JSON templates which are converted to Terraform for infrastructure as code.
* Worked on microservices project to build Docker containers and deploy to Dev, UAT and Prod. Designed and built the pool of Docker Cluster Environment by using Docker Swarm
* Used ANT and MAVEN as build tools on java projects for the development of build artifacts on the source code.
* Worked on development, staging and production software environments and their infrastructure.
* Actively participated to improve the scalability of the build, release, and deployment processes and operation.
* Utilized Jenkins for enterprise scale infrastructure configuration and application deployments - checking out code from Svn/Git and use Ant/Maven to build War/Ear artifacts.
* Hands on experience with JIRA for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.
* Installed and configured Splunk for log monitoring and forwarded system stats to Splunk indexer, created dashboards and alerts using this data.
* Performed all necessary day-to-day GIT support for different projects and Resolved conflicts related to merging of source code for SVN and GIT.