**LAHARI**

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**Professional Summary:**

* Sr Cloud DevOps engineer with over 8 years’ experience in Cloud (Azure, AWS, GCP), DevOps, Configuration management, Infrastructure automation, Continuous Integration and Delivery (CI/CD). I can implement effective strategies for N - Tier application development in both Cloud and On-premises environments. Experience in dealing with Unix/Linux and Windows server administration. which includes 3 years’ experience in Big data ecosystem and Java/J2EE related technologies.
* Excellent Experience in Hadoop architecture and various components such as HDFS Job Tracker Task Tracker Name Node Data Node and MapReduce programming paradigm.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as perthe project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployment in Azure.
* Knowledge of Azure Site Recovery and Azure Backup Installed and Configured the Azure Backup agent and virtual machine backup, Enabled Azure Virtual machine backup from the Vault and configured the Azure Site Recovery (ASR).
* Implemented a CI/CD pipeline using Azure DevOps (VSTS, TFS) in both cloud and on-premises with GIT,MS Build, Docker, Maven along with Jenkins plugins.
* Experience in writing Infrastructure as a code (IaC) in Terraform, Azure resource management, AWSCloud formation. Created reusable Terraform modules in both Azure and AWS cloud environments.
* Experience in Infrastructure Development and Operations involving AWS Cloud Services, EC2, EBS, VPC,RDS, SES, ELB, Auto scaling, CloudFront, Cloud Formation, Elastic Cache, API Gateway, Route 53, CloudWatch, SNS.
* Used Spark SQL to create structured data by using data frame and querying from other data sources using JDBC and hive.
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage, Active directory, Azure Service Bus, Cosmos DB.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Scrubbed the history data present in hive and files located in HDFS.
* Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure data bricks, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
* 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.

**Technical Skills:**

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| **Cloud Platforms** | Azure, AWS, GCP |
| **Infrastructure & Configuration Management Tools**  | Ansible, Chef, Puppet, Terraform  |
| **CI /CD Tools**  | GitHub Actions, Jenkins/Hudson, Bamboo, Azure DevOps, TFS |
| **Build Tools** | Maven, ANT, Gradle |
| **Container and Orchestration Tools** | Docker, Kubernetes, Docker Swarm |
| **Version Control Tools** | GIT, Bitbucket, SVN  |
| **Monitoring Tools** | Splunk, Nagios, ELK, App Dynamics, Cloud Watch, Azure Monitor, Datadog, Prometheus, and Grafana. |
| **Scripting Languages** | Perl, Python, Ruby, YAML, Shell scripting, Power shell |
| **Databases** | MySQL, AWS RDS, MongoDB, DynamoDB, Cassandra, Cloud SQl |
| **Application/Web Servers** | Apache Tomcat, NGINX, JBoss, WebLogic, WebSphere, App Engine, Load Balancer |
| **Operating Systems** | UNIX, Linux, Windows, Mac. |
| **Virtualization Platforms** | VMware, Windows Hyper-V, Virtual Box, Vagrant |
| **Bug Tracking Tools** | JIRA, Service Now, Bugzilla, Quix, Clear Case |
| **Repository Management** | Nexus, JFrog, Google Cloud Source Repositories (CSR). |

**WORK EXPERIENCE:**

**Role: Sr. Azure Cloud Platform Engineer (Sep 2022 – Present)**

**Client: Verizon, Austin, TX**

**Responsibilities:**

* Experience with Azure DevOps, CI/CD Pipeline, Build and release management, Azure Administration
* Building Pipelines on Azure Cloud platform
* Experience in creating Docker images, containers, and Azure Kubernetes services
* Experience and knowledge in setting up CI/CD pipelines using tools like Jenkins and VSTS.
* Creating and deploying Web Apps to Azure/Azure VM with Azure Devops/ VSTS CI/CD
* Experience with backup, monitoring, and automation
* Creating and launching workspaces in databricks along with clusters and notebook using different languages like Python, R, spark, SQL.
* Configured Azure Virtual Networks, Network Security Groups (NSGs), and Azure Firewall using Python to define network architectures and ensure network security.
* Integrated HashiCorp Vault for secrets management, dynamic secrets generation, and secure key storage within Azure environments.
* Proficient in defining and enforcing Azure governance policies and resource tagging strategies to maintain a well-organized and compliant Azure environment.
* Developed a CI/CD pipeline using Azure DevOps (VSTS/TFS) for both cloud and on-premises environments. This pipeline incorporated GIT, MS Build, Docker, Maven, and Jenkins pipeline builds with YAML/JSON configurations.
* Competent in integrating Azure DevOps into the development process, automating CI/CD pipelines.
* Integrated Helm charts into CI/CD pipelines to automate application deployments.
* Implemented strategies for high availability and disaster recovery of Azure resources and HashiCorp infrastructure components.
* Ability to multi-task and prioritize, Security - RBAC
* Experience in the deployment of Azure SQL Database, Azure Cosmos DB, Azure Batch
* Strong exposure to configuration management tools such as Terraform and Ansible
* Knowledge of PowerShell Scripting
* Developing Solutions for Azure Cloud such as Azure Apps service mobile and logic apps
* Knowledge of SCM tools such as Git, Git hub.

**Role: Azure DevOps Engineer (June 2020 – July 2022)**

**Client: Discount Tires, Scottsdale, AZ**

**Responsibilities:**

* Proficient in Azure DevOps, including the setup and configuration of pipelines, release management, and integration with various Azure services for continuous integration and continuous deployment (CI/CD).
* Skilled in integrating AWS services with Azure DevOps pipelines, enabling multi-cloud deployments, and managing infrastructure as code in AWS CloudFormation.
* Implemented CI/CD pipelines in Azure DevOps using YAML and Python scripts to automate the build, test, and deployment processes.
* Proficient in using tools like Azure Resource Manager (ARM) templates and AWS CloudFormation for defining infrastructure as code to deploy and manage resources on both Azure and AWS.
* Knowledgeable in container orchestration platforms such as Docker and Kubernetes, with experience in deploying containerized applications on both Azure Kubernetes Service (AKS) and Amazon Elastic Kubernetes Service (EKS).
* Implemented security best practices for PostgreSQL, including encryption at rest, network security configurations, and access control policies, ensuring data confidentiality and integrity.
* Converted existing ARM templates to Bicep for improved readability and maintainability.
* To attain the Continuous Delivery objective within a highly scalable environment, Docker was employed in conjunction with the Nginx load balancing tool.
* Skilled in using Git for version control, including branching, merging, and managing code repositories in Azure DevOps and AWS CodeCommit.
* Integrated Bicep templates seamlessly into Azure DevOps pipelines for automated infrastructure provisioning and deployments.
* Automate the provisioning of resources and streamline repetitive tasks through the use of Terraform, Python, Docker containers, and service orchestration.
* Orchestrated multi-step deployment workflows in Python, integrating with Azure DevOps for end-to-end automation.
* Proficiently utilized Ansible and Ansible Tower as configuration management tools, automating recurring tasks, expediting critical application deployments, and efficiently monitoring change management.
* Executed infrastructure automation via Ansible to facilitate auto-provisioning, code deployments, software installation, and configuration updates.
* Streamline the setup of Datadog Dashboards within the stack using Terraform scripts.
* Implemented HashiCorp Vault for secure and centralized management of secrets, credentials, and sensitive data used in various applications and services.
* Implemented ITIL (Information Technology Infrastructure Library) best practices within ServiceNow, ensuring adherence to standardized processes for incident, problem, and change management in the context of Azure and AWS services

**Role: AWS Cloud Engineer (July 2019 – May 2020)**

**Client Details: Cotelligent India Pvt Ltd, Hyderabad**

**Responsibilities:**

* Demonstrated expertise in **AWS** cloud services, including **EC2, S3, ELB, EBS, VPC, SQS, SNS, Redshift, Route53, Auto Scaling Groups, CloudWatch, CloudFront, IAM,** and more.
* Successfully migrated physical servers into the **AWS** cloud environment, installing, configuring, and troubleshooting various Amazon images.
* Used **Amazon GuardDuty** to prevent malicious activities for **AWS EC2** instances, users and various **AWS** resources.
* Created **AWS CloudFormation** templates to establish customized **AWS** network infrastructure, including **VPC, subnets, NAT gateways, internet gateways, route tables, ACLs, EC2 instances, ELBs,** and **security groups**.
* Provision **Kubernetes** clusters on **AWS** using **Docker, Ansible**, and **Terraform** to create, develop, and test various application environments.
* Integrated **Python** scripts with **AWS CloudWatch** for log analysis, metric monitoring, and custom alarms to maintain the health and performance of **AWS** resources.
* Managed multiple **AWS** accounts with multiple **VPCs** for both production and non-production environments, focusing on automation, integration, and cost control.
* Used **AWS Lambda** for automatic triggering of threats and suspicious activities obtained from **Amazon GuardDuty**.
* Engaged in building **AWS** infrastructure modules using **Terraform**, and established **Git** repositories for **Terraform** to initiate the **stack** deployments.
* Configure Network Hierarchy and Back up Rention configuration in **QRadar SIEM**.
* Utilized **Terraform, Ansible, Docker,** and **Kubernetes** to automate the deployment of containers, applications, and the provisioning of public cloud environments for development purposes.
* Designed roles and groups for users and resources using **AWS IAM,** implemented **IAM** policies for security audit and compliance, and managed network security using **Security Groups** and **IAM**.
* Utilized **AWS Terraform** templates for automation requirements in **AWS** services, including the deployment of **MongoDB** replica sets on **EC2** instances.
* Developed custom **Helm charts** to package and deploy **Kubernetes** applications.
* Designed and maintained highly scalable and fault-tolerant multi-tier **AWS** environments spanning multiple availability zones using **Terraform**.
* Installed **Docker Registry** for local and **Docker Hub** image management and worked closely with developers to address build failures.
* Defined **Docker** services in **YAML** files and used **Docker** Compose to deploy services in different environments.
* Responsible for user management, plugin management, and end-to-end automation of the build and deployment process using **Jenkins**.

**Role: Python Developer (Sep 2017- Jun 2019)**

**Client Details: Winvest Technology Consultancy Services Pvt Ltd, Hyderabad**

**Responsibilities:**

* Responsible for installation and configuration of Red Hat Enterprise Linux 4.x/5.x using **KickStart** at other data center over the network. Administered and maintained Red Hat 4.x/5.x, troubleshoot hardware, operating system, applications & network problems, and performance issues.
* Installation/Administration of **TCP/IP, NIS/NIS+, NFS, DNS, DHCP, NTP**, **Auto mounts**, send mail and Print servers as per the client's requirement.
* Automated administration tasks with **Shell scripting** (bash, poweshell), performed User Account Management, and Analyzed security-based events, risks, and report instances.
* Created and maintained user accounts, profiles, security rights, disk space and process monitoring.
* Implemented day-to-day tasks in **RedHat Linux** including upgrading **RPM’s, Kernel tuning, HBA Driver, Configure SAN’s**, **Multipathing** and **Logical** **Volume** **Manager** **LVM**.
* Installation of patches, security fixes and packages on Linux servers.
* Installation and configuration of web hosting administration such as **HTTP**, **FTP**, **SSH**, **RSH**.
* Experienced in working with different teams such as Network Engineers, Database team and application teams to resolve the issues.
* Experience in installing and configuring Wireless network using **SSL** **certificate** and in setting up **Linux,** **firewall,** **router** to increase network protection.
* Skilled in analyzing, designing, implementing and system integration, knowledge on **Switches**, **Routers**, **Firewalls**.