**USHA**

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**Cloud Engineer||** **Cloud Devops/Developer || Information Security Consultant**

**Professional Summary:**

* Over **6+**years of IT experience and technical proficiency which includes 5+ years of experience as an **Cloud Enginer/Devops Engineer**. Having good knowledge in implementing, customizing and Deploying azure Environment solutions.
* Proficiency in tasks like creating Profiles, Roles, Users, Page Layouts, Email Services, Approvals, Workflows, Reports, Dashboards, Actions, Tasks, and Events.
* Expierence on **Azure devops** and adding the user stories and epic to it on **Agile methodoly**.
* Extensive experience in designing of **IAM** using RBAC policies and Onboarding new **NSG**’s on production enviroments and Implemented **security** and sharing rules at object, field, and record level for different users at different levels of organization.
* Knowledge of **CRM** processes like **Sales, Marketing, Service cloud and Customer Support, Business processes.**
* Experience in **Amazon AW**S, Cloud Administration which includes services: **EC2, S3, EBS, VPC, ELB, Route 53, Auto Scaling, Security Groups, Red shift, and Cloud Formation.**
* **Provisioning EC2** instances and have knowledge on resource areas like Instances, Dedicated hosts, Volumes,Snapshots, Load Balancers and Security Groups.
* Implemented several Continuous Delivery Pipelines for different products using Jenkins. Set up build pipelines in Jenkins by using various plug-ins like **Maven plug-in, EC2 plug-in, Docker, Terraform,JDK**.
* Created **Docker** container images by tagging and pushing the images and worked on the infrastructure using **Docker** containerization.
* Worked on **Docker and Vagrant** for different infrastructure setup and testing of code.
* Setup Custom Service, job Scheduler and set repetitions options using Playbooks in **Ansible**.
* Developed and Modified **Chef** Cookbooks as Light Weight Resources Provider (LWRP)
* Performed Health checks for applications before moving to production.
* Knowledge in routing protocols like **FTP, SMTP, SSH, HTTP and HTTPS**.
* Hands-on experience on **Ansible and Ansible Tower** as configuration management tool and writing playbooks that automates repetitive tasks, managing changes for critical applications for continuous delivery.
* Experience on Migrating SQL database to Azure data Lake, Azure data lake Analytics, Azure SQL Database, Data Bricks and Controlling and granting database access and Migrating On premise databases to Azure Data lake store using Azure Data factory.
* Virtualized the servers on **AWS, Linux and Windows using Docker**, created the Docker file. Built various containers using Docker engine and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications.
* Experience working on several Docker components like Docker Engine, Hub, Machine, creating Docker images,compose, Docker Registry and handling multiple images primarily for middleware installations and domain configurations.
* Experience in using **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** containers.
* Hands on experience with **Azure API** Management Service for **PAAS** Environment using **terraform.**
* **Proficient in Deploying the Storage accounts and Azure Data Factory.**
* Proficient in databases including **MS SQL Server & MS Excel**.
* Experience in using Bug tracking tools like **JIRA.**
* Extensively experienced in using Build Automation tools like **Maven, and Visual Studio** working knowledge on other build tools like make file.

**Technical Skills:**

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| **Operating Systems** | **WindowsServer,Unix, Linux.** |
| **Build Tools** | **Visual Studio** |
| **Automation Tools** | **Jenkins, BuildForge and Bamboo.** |
| **Source control tools** | **VS Code, Bitbucket, GIT.** |
|  **Tools**  | **Azure,Azure devops,Chef,AD.** |
| **Scripting Tools/Languages** | **Power Shell scripting, C#,Terraform,Python, SQL,.Net.** |
| **Virtualization Tools** | **Docker, VM virtual Box and VMware.** |
| **Monitoring Tools** | **Nagios, Cloud watch, Splunk, Data Dog.** |
| **Tracking tools** | **JIRA, Remedy, Clear Quest.** |
| **Web servers** | **Web logic, Web Sphere.** |
| **Databases** | **ORACLE, SQL, My SQL.** |
| **Cloud Platform** | **Amazon Web Services, Azure.** |

**Education:**

Masters In Information Systems- Stevens Henager College , Salt Lake City,Utah(2017).

Bachelors of Commerce –Osmania University of Hyderabad – India(2015).

**Professional Experience:**

**Walgreens,Chicago,Illinois. Jan 2019 – Present
Title: Cloud Engineer**

**Responsibilities:**

* Worked on creation of subnets on production and non-production environments wih attaching billing tags to it.
* Worked on updating the billing tags and enterprise tags to the legacy subscriptions.
* Created resource groups on various vnets and deployed successfully using **powershell/terraform** commands and merging it via Bitbucket.
* Worked on hybrid cloud for accesing the vm’s through various locations.
* Worked on Azure cloud infrastructure and stack of services (**SQL, VNET**, Storage, User defined routes, Azure Site Recovery, Traffic Manager, Azure Automation, **ARM** Templates, Azure Load balancer, **API Gateway**, Functions, and **Azure AD**).
* Worked on **NSG**(Network security group) checking the traffic on inbound and outbound rules and Creating rules to legacy subscriptions using powershell commands on visual studio code.
* Worked on testing **QA** tools with mobile APPS within the Prod environment.
* Extensively worked with Jenkins API's to know various things like build status, count of builds, GIT commit version used by Jenkins builds etc.
* Used the continuous Integration tools such as Jenkins and Hudson for automating the build processes.
* Developed Azure function apps as API services to communicate DB2 and created **Azure Event** Grid to publish and consumed data.
* Used **Azure Logic** apps to implement workflows.
* Used **Azure HTTP & TIMER** triggers functions to run On Demand and continuous jobs.
* Worked on setting up **CI/CD** model from **VSTS** to Azure App service.
* Data Ingestion to one or more Azure Services - (Azure Data Lake, Azure Storage, Azure **SQL, Azure DW)** and processing the data in In **Azure Databricks.**
* Implemented the **ASP.NET** security features like Forms Authentication and Windows Authentication.
* Worked on Azure web applications, deployment slots, web functions, containers.
* Worked on **Azure SQL** Database management, monitoring and advanced azure security functions.
* Created Docker images using a Docker file and Helm with kubernetes.
* Worked on existing Legacy System into Microsoft PowerApps/Dynamics.
* Worked on Docker container snapshots, removing images and managing Docker volumes and experienced with Docker container service.
* Experience in configuring Nginx ingress load balancer on a Kubernetes cluster.
* Kubernetes is being used to orchestrate the deployment, scaling and management of Docker Containers.
* Extensively used SQL Server Import and Export Data tool.
* Worked on migrating files to Azure Data Lake Storage, Azure SQL, Azure Key Vault, Databricks, SSIS, Azure Data Synapse.
* Developed few changes on Azure Dev Ops to manage changes to cod.
* Worked on Creating **ASG**(Application Security Group) and attaching to the VM’s. Writing Inbound/Outbound **ASG’s** with ports in Visual studio code and merging to the portal.
* Worked on Azure Data factory via powershell and creating the resources and deployments within the portal.
* Installed Docker Registry for local upload and download of Docker images and even from Nexus Repo.
* Developed module which deals with searching of information depending upon priority of user in site Using **ASP.NET.**
* Managed Docker orchestration using Kubernetes.
* Worked on various troubleshooting sessions for various teams on connecting to telnet.
* Worked on Azure network infrastructure and network IP watcher with flow logs on security and monitoring configuration.
* Developed on Prototyping for large solution in Power Platform or Azure.
* Delivered cloud environments as code via **Terraform and Kubernetes** with logging, monitoring, security, and service mesh capabilities.
* Worked on troubleshooting the issues on **NSG**’s and **ASG**’s for Prod and Nprod Environments.
* Used MAVEN as build tools on Java projects for the development of build artifacts on the source code.
* Deployed an **ASP.NET** web application package, and update IIS.
* Troubleshoot switch to server and back to the secure Cloud connection.
* Administered and Engineered Jenkins for managing weekly Build, Test and Deploy chain, Bit bucket with Dev/Test/Prod Branching Model for weekly releases
* Developed **ASP.NET** pages using C# on the approved Design Document.
* Developed Spark applications using Scala and Spark-SQL for data extraction, transformation and aggregation from multiple file formats for analyzing & transforming the data to uncover insights into the customer usage patterns
* Creating power **BI reports** by viewing the metrics in **DBA.**
* Azure web applications, deployment slots, web functions, containers.
* Participated on many cloud database such as Azure SQL, Azure SQL Hyperscale and Azure SQL Data Warehouse
* Implemented TFS branching and merging operations for **.NET Source Code** in the Agile Development Methodologies.
* Worked in Agile methodoly on moving up the projects with sprint meeting on daily status.
* Monitoring production subscription’s virtual machine in **DBA** system via Oracle Infrastructure.
* Worked on the process for creating billing tags using automation scripting via **terraform.**
* Created storage accounts with containers successfully deployed and interacted with other parts of the Azure features such as load balancers, firewall configuration, etc.

**Environment:** Windows Servers, Atlassian Jira, IIS Administration,QA Tools, PowerShell, shell, Azure,Terraform,Visual Studio code,.Net,json templetes,Oracle DBA, BitbucketAzure DataBricks,Azure devops, Azure SQL, Azure Load balancer, powershell,Scala, Azure AD.

**Hitachi Vantara Data Systems,Santa Clara,CA. Jan 2017– Dec 2018**

**Title:****Azure Cloud Admin/Developer**

**Responsibilities:**

* Worked on **IAM** giving access/ permissions to the legacy subscritptions,resource groups,Storage accounts,blob storages,load balancer and service principals.
* Worked on various aspects on Install, maintain, upgrade, and troubleshoot Azure cloud solutions for clients.
* Experience working in environments with various Azure based PaaS & SaaS services (Data Lake, **Azure AD**, **SQL DW,** Machine Learning, Data Factory, etc)
* Experience managing **Microsoft Azure environments** (**VM’s, NSG’s,ASG’s Resource Groups)**.
* Worked on granting the Access/Permissions to the Azure Data Factory.
* Worked on monitoring **VM’S** and providing access to those vm’s ensuring each virtual network has network security groups attached to it.
* Worked on Azuredevops on creating various userstories,features,Epics on the work we are performing on Agile methodology.
* Worked on multiple versions of my library that target different versions of the **.NET** Framework in Nuget Gallery.
* Implement the overall Azure environment for clients including server instances, storage instances, site-to-site/point-to-site **VPNs,** and **Azure Site Recovery** for DR/migration. Monitor performance for integrity, quality, and security.
* Implement best practices related to data backup and disaster recovery.
* Perform **Azure Resource Manager** deployments including writing templates for deployment by others.
* Perform system administration tasks for upkeep of Azure environment.
* Worked on various Powershell scripts on Resource groups and subscriptions on Paas.
* Worked on creation of **ASG/NSG** in portal and attaching to the servers.
* Performed fundamental tasks related to the design, construction, monitoring, and maintenance of **Azure DataBricks**.
* Worked on Implementing mainly on **Virtual machines, VNETS, Private endpoints.**
* Maintained an Oracle Forms and Reports in all the environment via **CRQ process.**
* Hands on experience **on Azure App** Service Model.
* Hands on experience on Azure storage services.
* Hands on experience **on Azure App Service Model** (Web Apps, Mobile Apps, API Apps and Web Jobs)
* Good understanding of monitoring resources and services on Cloud environments
* Design and build Azure hub/spoke network topology for extending on-premise network connectivity and isolating workloads using **VPN Gateways, VNet peerings, user defined routes via Route Tables, and Azure Firewalls.**
* Work on various projects related to evaluating, testing, and deployment of new software systems/technology.
* Provide technical assistance to users and others in the Information Technology Department.
* Monitor and act on escalated issues. Monitor and work on problem tickets and requests for relevant application and system areas. This includes timely acknowledgement of tickets / requests - providing a high level of responsiveness.
* Deployed Azure infrastructure as code that is **AzureRM provider, Azure Repos and Azure Pipelines within Azure DevOps.**

**Environment:**Windows Servers, Atlassian Jira, IIS Administration, PowerShell,DataBricks,shell, Azure, Visual Studio code, json templetes, Bitbucket, Azure devops, powershell, Azure AD.

**Intermountain, Saltlake City, UT Nov 2015– Dec 2016**

**Title:Devops AWS Engineer**

**Responsibilities:**

* **Build Release Engineer** for Multiple project teams that involved different development teams and multiple simultaneous software releases.
* Worked closely with QA Teams, Business Teams, and DBA team and Product Operations teams to identify **QA** and **UAT** cycles release schedule to **non-production** and **production** environments.
* Work with Chef Automation to create infrastructure and deploy application code changes autonomously.
* Responsible for design and maintenance of the Subversion/**GIT Repositories**, views, and the access control strategies.
* Developed strategies, and contracts for validation of deployments and automated rollbacks in **uDeploy**.
* Experience in Infrastructure Development and Operations involving AWS Cloud Platforms **EC2, EBS, S3, VPC, RDS Dynamo DB, SES, ELB, AWS Lambda, Route53, Auto-scaling, Code Pipeline, Cloud Front, Cloud Formation, Cloud Watch, Elastic Cache, IAM, Redshift, and SNS.**
* Deploy and monitor **AWS** resources **(EC2, VPC, ELB, S3, RDS**) using Chef and **Terraform**.
* Virtualized the servers on AWS, Linux and Windows using Docker, created the Docker file. Built various containers using Docker engine and Docker Machine environments, to deploy the micro services-oriented environments for scalable applications.
* DevOps role converting existing **AWS** infrastructure to Server-less architecture (AWS Lambda, Kinesis) deployed via Cloud Formation.
* Created a Lambda Deployment function, and configured it to receive events from your S3 bucket
* Implemented a 'server less' architecture using **API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets.**
* Deployed Puppet, **Puppet** **Dashboard**, and **Puppet DB** for configuration management to existing infrastructure.
* Created monitoring script in python for **AWS** infrastructure saving costs instead of using Cloud watch.
* Lead creations of CI/CD pipeline using Docker in go and python shortening resulting in many frequent releases every month.
* Written. **Gitlab-ci.yml** file to configure the CI/CD pipeline in AWS and implemented Clair for security scans in **GitLab** CI pipeline by configuring it through. Gitlab-ci.yml file.
* Extensive experience using MAVEN and ANT as Build Tools for the building of deployable artifacts from source code.
* Utilized **Kubernetes** for the runtime environment of the **CI/CD** system to build, tests deploy.
* Create **Chef** Automation tools and builds, and do an overall process improvement to any manual processes.
* Wrote **Terraform** scripts to install the Kubernetes cluster and its dashboard on to the Aws cloud.
* Automate deployment for **SaaS**, **IaaS**, **PaaS** based application on cloud using Chef Enterprise, Pivotal Cloud Foundry and **AWS**.
* Deployed micro services, including provisioning **AWS** environments using Ansible Playbooks.
* Automated infrastructure in **AWS** using Amazon Web Services. Deployed Puppet to completely provision and manage **AWS** EC2 instances, volumes, DNS, and S3.
* Implemented **SCM** tools including Subversion, Git, Stash Repositories, Source Tree, views, and the access control strategies.
* Written build scripts using gradle for gradle builds in **GitLab** CI pipeline.
* Involved in upgrading **GitLab** for the **CI/CD** environment using Ansible Tower.
* Involved heavily in setting up the **CI/CD** pipeline using **GitLab**, **GitLab CI**, Maven, **Gradle**, Nexus, Ansible Tower, **Terraform** and **AWS**.
* Extensively worked **on CI/CD pipeline** for code deployment by engaging different tools (Git, **Jenkins**, **CodePipeline**) in the process right from developer code check-in to Production deployment Using **API** server as a key component and serves the **Kubernetes** **API** using **JSON** over **HTTP**, which provides both the internal and external interface to **Kubernetes**.
* Expertise on designing project workflows/pipelines using Jenkins as CI tool and on building Jenkins jobs to create **AWS** infrastructure from **GitHub** repos containing Terraform code.
* Used **AWS** CLI command line client and management console to interact with AWS resources and APIs.

**Environment:** AWS, ANT, Puppet, Bamboo, Docker v18.03, Maven, Subversion, Jenkins, Remedy, Confluence, Shell Scripts, Apache Web Server, JBoss Application Server, Azure, Cloud computing tools.

**ICICI Bank, Hyderabad, India May 2014– Sept 2015**

**Title:****Information Security Consultant**

**Responsibilities:**

* Performed **Unit testing for proper functioning of UI.**
* Regularly performed research to identify potential vulnerabilities in and threats to existing technologies, and provided timely, clear, technically accurate notification to management of the risk potential and options for remediation.
* Performed manual testing based on the automated generated report.
* Performed monitoring using security assessment tools.
* Monitored security events, correlating information, and identifying incidents, issues, **threats, and vulnerabilities** found by agency data sources, but are not limited to, vulnerability scanners,baseline configuration management systems, hardware asset management systems,software asset management systems, **network contextual analyzer systems, intrusion detection systems (IDS).**
* Worked on the **XSS, Path traversal attacks manually.**
* Performed Security Event Analysis as a point of escalation in regard to web based attacks.
* Performed Crawling of application to know the behavior of it.
* Access a web-based collaborative environment to rapidly resolve security issues in software code using **HP Web inspect.**

**Environment:** HP Web Inspect, Confluence,Jira,Nmap,nesus Bitbucket,Azure,Burpsuite.