**Nmae: Ramesh**

**Mail : Phone No:**

**Objective**

***In pursuit of challenging assignments that would facilitate the maximum utilization and application of my broad skills and expertise in making a positive difference to the organization.***

**Professional Summary**

* Around **4**years of Experience as a **Build and Release**/ **Devops** engineering and configuration management.
* Experience in writing the Azure Devops pipeline scripts.
* Implemented Azure devops pipeline process of Dev,QA and production environment.
* Good knowledge automate sending the diagnostics logs from storage account to e log analytics workspace.
* Written ARM templates for enable diagnostic settings for Azure storage account and azure databricks and keyvault.
* Worked in enable the runbook for running the Automation scripts .
* Mounted storage account with azure databricks for sending the cluster event logs.
* Worked in Azure data factory.
* Worked in Azure storage account encryption using Keyvault.
* Create a Virtual Network on Windows Azure to connect all the servers.
* Handle escalated Support tickets till closure for MS Azure PaaS platform. Configured AD connect to configure federation with on-premises ADFS and Azure AD.Experience is using Microsoft Azure.
* Involved in creation of virtual machines and infrastructure in the Azure Cloud environment.
* Strong experience in configuring, maintaining, and troubleshooting Microsoft based production systems
* Understanding of load balancers, DNS, virtual networks and firewalls in cloud environment
* Azure AD authentication
* Define cloud network architecture using Azure virtual networks, VPN and express route to establish connectivity between on premise and cloud
* Convert existing Virtual Machine from Standard to Premium Storage Account. Patching and Validating of Virtual Machine in Azure.
* Written ARM templates for azure services Storage accounts, Azure Databricks,Keyvault,Application gateway.
* Worked in Azure databricks for creating databricks workspace.
* Good knowledge in Azure databricks Cluster creation and maintaining the user roles in databricks.
* Experience in Azure Databricks cluster creation and Notebooks creation.
* Working experience in KeyVault.
* Good knowledge encrypting data using azure Keyvault and decrypting data in azure databricks using Scala and Python notebooks.
* Good experience in Setting up environment in Azure from scratch.
* Worked in Application Gate way Setup.
* Good knowledge Azure Virtual Machines creation.
* Working experience in Azure Function app.
* Worked in setting up Azure Production environment with Production subscriptions.
* Working knowledge in mounting data from storage account to databricks workspace
* Having good knowledge in Amazon **EC2** technologies **EC2, S3, EBS, Auto scaling**, monitoring and elastic load balancing.
* Having good knowledge in implementation of **CI/CD.**
* Experience in developing and maintaining **CI/CD** process for SaaS applications by accessing tools like Maven, Jenkins, etc.
* Hands on experience in using configuration management tools like **Chef, Ansible** etc.
* Good Experience in writing the **Playbooks**.
* Written **ansible** playbooks for **creating Kubernetes cluster** for all environments.
* Automated deployment process from **Jenkins** to **Kubernetes** **Cluster**.
* Develop and maintain an advanced platform to manage **Kubernetes clusters lifecycle.**
* Maintain documentation regarding configurations, operations and **troubleshooting** procedures
* Cloud and OS distribution portability: Runs on **Ubuntu, RHEL, CoreOS**, on-prem, Google Kubernetes Engine, and anywhere else.
* Configuring the **Docker** containers and creating **Docker files** for different **environments**.
* Good knowledge in creating the **Docker Images** and configuring the images in **Jenkins.**
* Good knowledge in managing the load using the **Elastic Load Balancers** in **AWS.**
* Participate in building the DevOps Platform using configuration management tools like **Chef.**
* Used tools like **Docker, chef** for deployment automation**.**
* Good Knowledge using the backup repository **Nexus.**
* **Docker** installation and image setup.
* Creating custom image from a **Docker File .**
* Working on Dockerfile Directives**: USER, RUN and ENV.**
* Using Dockers **Building a web Farm for Development.**
* Ability to accept challenge, learn and grown in good profession manner.
* Successful in communicating with people at all levels and with other departments as needed to best Serve the customer.

**IT Knowledge Purview**

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| **Version Control System tools** | Subversion (SVN), GIT |
| **Operating Systems** | Windows 9x/2000/XP/7, Linux |
| **Configuration Management** | CHEF, Rundeck |
| **Scripting** | Shell Scripting |
| **Build Tools** | ANT, Maven |
| **Database** | MySQL |
| **Web Server** | Apache |
| **Application Server** | Apache Tomcat |
| **Continuous Integration Tools** | Jenkins |
| **Cloud Environment** | AWS |
| **Devops** | Puppet, Docker, Chef (Basics) |
| **Bug Tracking Tool** | Service Now |

**Work Profile**

**Current Designation :** Software Engineer

**Area of Work :** DevOps Engineer

**Domain :** Retail, Insurance & E-Commerce

**List of Major Technologies : Azure,Devops,AWS**

**Academic Credential**

* B.Tech (Computer Science & Engineering) from **AITS**, Rajampeta in 2015.

**Professional Experience**

* Working as **DevOps Engineer** at **IBM Limited**, Gurgaon.

**Projects**

**Project#2**

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| **Project Name** | **Hilton** |
| **Client** | **Hiltion** |
| **Role** | DevOps Engineer |
| **Duration** | Aug 2016 to Till Date |
| **Environment** | Maven, GIT, Jenkins, Shell Scripting, Tomcat, Linux, ,Puppet, Aws, Docker, Java, J2EE, EJB |

**Roles and Responsibilities:**

* Designed and configured Azure **Virtual Networks (VNets)**, subnets, Azure network settings,security policies and routing.
* Deployed Azure IaaS virtual machines **(VMs)** and Cloud services **(PaaS role instances**) into secure **VNets** and subnets.
* Designed **VNets** and subscriptions to confirm to Azure Network Limits.
* Define cloud network architecture using **ss**, **VPN** and express route to establish connectivity between on premise and cloud.
* Develop powershell scripts and ARM templates to automate the provisioning and deployment process
* Troubleshoot and identify performance, connectivity and other issues for the applications hosted in Azure platform.
* Written **ARM templates** for azure services Storage accounts, **Azure Databricks,Keyvault,Application gateway**.
* Worked in **Azure databricks** for creating databricks workspace.
* Experience in Azure Databricks cluster creation and **Notebooks** creation.
* Written the Azure pipeline scripts for deploying the **Kubernetes** services.
* Deployed Jupyterhub application using Azure VMs and installed **Jupyterhub in Kubernetes** service.
* Implemented **Azure diagnostic** **settings** for the Azure storage account and azure databricks
* Written **ARM templates for Log analytics Workspace** creation.
* Enabled diagnostic settings using ARM templates for the Azure services Azure storage account and Azure Databricks.
* Good knowledge in **mounting** **storage accounts** to azure **databricks** **cluster**.
* Good knowledge in **PV and PVC** in **Kubernetes**.
* Worked in **Secrets** and **namespaces** and **configmaps** in **Kubernetes**.
* Working experience in writing the **Ansible Playbooks** for creating AWS services like **VPC,EC2**.
* Worked in creating **Kubernetes** **cluster** for staging, QA, UAT environments.
* Deployed images in pods using **ansible playbooks**.

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| **Project#1**   |  |  | | --- | --- | | **Project Name** | Siemens healthcare | | **Role** | Build and Release Engineer | | **Duration** |  | | **Data Base** | Oracle, MySQL, SQL Server | | **Cloud Technologies** | (VPC, EC2, S3, Cloud Watch, RDS, Cloud Front,Elastic Beanstalk, IAM) | | **Middleware File Systems** | Tomcat | | **Operating Systems** | Linux (Red Hat 4/5/6, SUSE), Ubuntu, Windows NT, /2000/2003/2007 | | **Scripting languages** | Shell Scripting | | **Configuration Management** | Chef | | **CI Tools** | Jenkins | | **CD Tools** | Custom Tools, RPM, YUM | | **Version Control Systems** | GIT,Git Hub | | **Automated Build Tools** | Jenkins | | **Web Technologies** | Tomcat, APACHE 2.x, 3.x | | **Web Server** | Tomcat |   **Roles and Responsibilities:**   |  | | --- | | * Setting up the new build environment for various applications in **Windows**/**Linux** environment. * Managed to organizational standards by maintaining the source code in **GIT** for various applications. Setting up the new Build Environment for various products in Linux Environment. * Maintains and extends configuration and build sub-systems on **GIT**. * Creating and maintaining the development and release branches on **GIT**. * Using **Maven** as a build tool, I could automate the process of building artifacts. * Supported and helped to create dynamic views and **snapshot** views for end users. * Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment. * Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build. * Used **AWS** services like **EC2, S3, EBS, Cloud Watch, ELB** for building infrastructure. * Participates in the design and implementation phases for new and existing products, with a focus on **AWS** technical knowledge for successful execution of the requirements. * Help engineering teams implement **new technologies** in development for future production deployment. * Actively monitor and administer the applications and hosting environment to increase **efficiency**, **improve reliability**, and **minimize downtimes**. * **Measurement**, **optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment. * Automated build deployments into **EC2** using **Puppet.** * Experience in scripting for monitoring/deployment using *chef* to automate the task/deployment/install is strongly preferred. * Used **Docker Container** for running different individual services and optimizing the infrastructure cost. * Managing/Tracking the defects status using **JIRA.** * Automating the manual process if any, by writing the **Shell scripts.** * Involved in deployment of the application using **Tomcat.** * Primary responsibilities include Build and Deployment of the java applications onto different   Environments like **QA, UAT, pre-Prod** and **prod.**   * Production environment support activities which include major release or emergency hot fix deployments, scheduling and coordinating with client regarding Operational Job Cycles or any activities. |      |  | | --- | | **DECLARATION** |   I hereby declare that the above mentioned information is correct up to my knowledge and I hear the responsibility for the correctness of the above mentioned particulars. |
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