**Sireesha Devavarapu**

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**Professional Summary:**

* Having 3+ Years of Experience as a “**DevOps/Build & Release Engineer**” for Java Based Web Applications.
* Implementation experience with **Data Lakes** **and Business Intelligence** tools in **Azure**.
* Working Experience in writing **Azure pipeline** scripts.
* 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.**
* Good knowledge in writing **terraforms** for AWS Environment Provisioning.
* Created terraform for AWS **Services EC2, S3, VPC, ECS, ECR, EKS, RDS, Cloud Watch**.
* Worked terraform in Azure cloud for Environment Provisioning.
* Written Azure terraform for services virtual machine creation, Storage account creation, Keyvault encryption.
* Created terraform for storage account creation with **Private** endpoint.
* Written terraform for Azure databricks cluster creation, notebook creation, User creation, Group creation.
* Good knowledge in **Terraform** modules.
* 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**.
* Working experience in Python and written scripts for **AWS lambda functions**.
* 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.
* 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-Perm, 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 experience in automating **Jenkins with AWS Elastic Container service** (ECS).
* Good experience on Amazon Web Services (**AWS**), Creating EC2 Instances and configuring all necessary services.
* Good understanding **AWS Architecture**.
* Created different load balancers (ELB, ALB, NLB)
* Created and managing **VPC, Subnet and Security groups**.
* Create and managing files and policies in **S3 bucket** (Simple Storage Service)
* Create and providing **IAM** access to the users.
* Up scaling and attaching new EBS volumes
* Implementing Auto Scaling.
* Written terraforms for infra structure creation in **AWS** cloud.
* Good knowledge in AWS services **EC2, VPC, Cloud watch, ELB, ECS, EKS**.
* Written IAM custom policies for restricting S3 bucket for specific user.
* Worked in monitoring using ELK setup.

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| **Education Details:** |

* **Bachelor** of Technology **in QIS institute of technology** 2018, **Ongole**.

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| **Technical Skills:** |

* Operating Systems : Centos, Ubuntu, Windows
* Version Control Tools : Git, SVN
* Build Management Tools : Maven, ANT
* Configuration Management Tools : Ansible, Puppet, Chef
* Containerization : Docker
* CI Tools : Jenkins
* Cloud platform : AWS, Azure
* Scripting Languages : Terraform
* Monitoring Tools : Nagios

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| **Professional Work Experience** : |

* Experience as a **DevOps engineer** at **Tech Mahindra Ltd** Hyderabad from **November 2018** to till now.

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| **Current Project:** |

**Client Name : Orient Bank (Medicaid health Insurance), Canada**

**Role : DevOps Engineer**

**Environment : Java, GIT, Maven, Jenkins, AWS and Azure**

**Duration : Sept 2020 to till now**

**Description:**

**Medicaid** is a health insurance program financed and run jointly by the federal and state governments for low-income people of all ages who do not have the money or insurance to pay for **health care**. The goal of the program is to provide **medical** and other health care services to eligible individuals so that they are able to remain as self-sufficient as possible. Medicaid is a state administered program. Each state sets its own guidelines, subject to federal rules and guidelines. Certain services must be covered by the states in order to receive federal funds. Other services are optional and are elected by states.

**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 Data bricks, Key vault, 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 config maps in **Kubernetes**.

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| **Previous Project:** |

**Client Name : Coles Group (Super Markets), Australia.**

**Role : DevOps Engineer**

**Environment : Java, JSP, JDBC, WebLogic, GIT, Maven, Jenkins, AWS and Azure**

**Duration : Nov 2018 to Sept 2020.**

**Description**:

**Coles Group Limited** is an Australian public company operating several retail chains. Its chief operations are primarily concerned with the sale of food and groceries through its flagship supermarket chain **Coles**, and the sale of liquor and petrol through its Coles Liquor and Coles Express outlets.

Coles operates lot of supermarkets throughout Australia, including several now re-branded **BI-LO Supermarkets**. Coles Online is the company's online shopping (home delivery) service.

**Roles and Responsibilities:**

* Hands on experience in writing the play for AWS requirements like **EC2 instance and VPC** 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**.
* Created terraform for AWS Services **EC2, S3, VPC, ECS, ECR, EKS, RDS, Cloud Watch**.
* Worked terraform in Azure cloud for Environment Provisioning.
* Written Azure terraform for services virtual machine creation, Storage account creation, Keyvault encryption.
* Created **terraform** for storage account creation with Private endpoint.
* Worked in **Application** **Gate Way Setup**.
* Good knowledge Azure **Virtual Machines** creation.
* Working experience in Azure Function app.
* Hands-on experience to build and handle VM’s, Containers utilizing tools like **Docker**.
* Build and publish your own **custom images** in Docker.
* Experience in automation tools like **chef, Jenkins, Git**.
* Configured and managing **security groups** and **VPC**.
* Good knowledge in writing terraforms for AWS Environment Provisioning.
* Good experience in automating the process of uploading the packages from Jenkins using backup repository **Nexus**.
* Responsible for administering and supporting **version control systems** (SVN and GIT) on Linux.

**(Sireesha Devavarapu)**