

DevOps Engineer

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Professional Summary

- Having **4.2** Years of Experience as a “**DevOps/Build & Release Engineer**” for Java Based Web Applications.
- Working Experience in writing **Azure pipeline** scripts.
- Written **ARM templates** for azure services **Storage accounts, Azure Databricks, Key vault, Application gateway**.
- Worked in Azure **data bricks** for creating **data bricks** workspace.
- Good knowledge in **Azure data bricks Cluster** creation and maintaining the **user roles** in data bricks.
- Experience in Azure **Databricks** cluster creation and Notebooks creation.
- Working experience in **Key Vault**.
- Good knowledge encrypting data using azure **Key vault** and decrypting data in azure **data bricks** 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**.
- Worked in setting up Azure Production environment with **Production subscriptions**.
- Working knowledge in mounting data from **storage account to data bricks 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, Key vault encryption**.
- Created terraform for **storage account creation with Private endpoint**.
- Written terraform for **Azure Data bricks 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 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
- 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**.
- Creating load balancer (**ELB, ALB, NLB**)
- Create 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**

Education Details

- **Bachelor's Degree** from **Sri Venkateshwara Institute of Science and Technology** in **Jawaharlal Nehru Technological University, Anantapuram**.
- **Master's Degree** from **Sri Venkateshwara Institute of Science and Technology** in **Jawaharlal Nehru Technological University, Anantapuram**.

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
- Application Servers : Apache Tomcat, Web logic, Web Sphere.
- CI Tools : Jenkins
- Cloud platform : AWS
- Data base : MySQL, Oracle12c.
- Scripting Languages : Shell
- Monitoring Tools : Nagios.

Professional Work Experience

Experience as a DevOps Engineer with **Add On Systems Information Technology Services Pvt Ltd** from **Nov 2018** to till date.

Project

Client : CARD TECHNOLOGY OPERATIONS

Role : DevOps Engineer

Description:

Citibank India is a foreign bank in India with a full-service onshore platform. Its Indian headquarters is at Bandra Kurla Complex, Mumbai, Maharashtra. It is a subsidiary of Citigroup a multinational financial services corporation headquartered in New York City, United States. Citibank India's services are investment banking, advisory and transaction services, capital markets, risk management, retail banking, and Cards.

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 conform 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, Key vault, Application gateway.**
- Worked in **Azure data bricks** for creating **data bricks** workspace.
- Experience in Azure Databricks cluster creation and **Notebooks** creation.
- Written the Azure pipeline scripts for deploying the **Kubernetes** services.
- Deployed **Jupyter Hub** application using Azure VMs and installed **Jupyter in Kubernetes** service.
- Implemented **Azure diagnostic settings** for the Azure storage account and azure **data bricks**
- 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 **data bricks cluster**.
- Good knowledge in **PV and PVC** in **Kubernetes**.
- Worked in **Secrets** and **namespaces** and **config maps** in **Kubernetes**.

Project

Project Title : **Ditech Bank**
Role : **Devops engineer**

Description:

Ditech Financial LLC (rebranded from “**ditech Mortgage**” and “**Green Tree Servicing**” in 2018) was a provider of home loan, loan servicing and refinance products to consumers and institutional partners

in the U.S. In May 2017, Ditech announced its re-entry to the national housing market after it “disappeared” from the marketplace for five years during the subprime mortgage crisis in the late 2000s. It also announced a corporate re-branding with its servicing affiliate, Green Tree Servicing, which took place in 2018.

Roles / Responsibilities:

- Hands on experience in writing the play for **AWS** requirements like **EC2** instance and **VPC** creation.
- Experience in Azure **Databricks** cluster creation and Notebooks creation.
- Working experience in **Key Vault**.
- Good knowledge encrypting data using azure **Key vault** and decrypting data in azure **data bricks** 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**, CloudWatch.
- Worked terraform in **Azure cloud** for **Environment Provisioning**.
- Written Azure terraform for services **virtual machine creation, Storage account creation, Key vault encryption**.
- Created terraform for **storage account creation with Private endpoint**.
- Worked in **Application Gate way Setup**.
- Good knowledge Azure **Virtual Machines creation**.
- 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**.

(B. Balaji)