Balakrishna T

DevOps Engineer

Personal Info

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💬 Summary

- Professional with around 5 years of experience in IT industry comprising of cloud architect,build release management, software configuration, design, development and cloud implementation
- Purpose-driven professional with capacity to be strong team player plus work effectively independently.
- Experienced in implementing DevOps strategy in environments of Linux and along with cloud strategies on **Amazon Web Services**, **Azure Cloud**
- Automated Continuous Integration builds, nightly builds, deployments and unit tests across multiple different environments (**DEV**, **QA**,**Production**)
- Working knowledge of source code and configuration management solutions (**AzureDevops** , **Github**, **Gitlab**,etc.)
- Configured Single sign-on users to use their existing company account to sign in to **Pritunl VPN** for a secure connection
- Developed **Powershell** and **bash** scripts to automate the provisioning and deployment process for Azure resources such as **Subscription**,**Resource Group**,**Virtual net**, **Azure SQL Server**, **storage account**,**AKS,Container Registry, Container Registry**
- Written Powershell scripts on **Azure Function app** for Scheduled Jobs
- Monitoring azure resources with the help of **AppInsights**
- Can provision development and production environments for **kubernetes Cluster** with **bare nodes** and **EKS** in **AWS , AKS in Azure.**
- Worked in kubernetes services like **Deployments**, **Services**, **Ingress**, **Namespaces**, **Configmap**, **RBAC**, **Volumes** , **ReplicaSet**, **Service Account**,**Secrets**.
- Worked extensively with AWS services like **IAM**, **EC2**, **S3**, **VPC**, **AutoScalingGroups, IAM, CloudWatch, CloudFormation, CloudFront, Cognito , ACM, ECR, EKS,DOCUMENTDB**.
- Exposed to build tools like **MAVEN ,npm** and bug tracking tool and azure devops in the work environment
- **Database** Migrated from On-premise to AWS cloud environment
- Good in configuring **ALB** and **NGINX** ingress controllers in AWS EKS,Azure AKS cluster Familiar with **helm** deployments.
- Having hand full of knowledge of mesh service like **Istio** Handled migration of native kubernetes workloads to knative work loads.
- Proficient in Dockerizing and containerizing the applications.
- Good in writing **Cloud Formation Templates** (CFT) in YAML format to provision the AWS services with the paradigm of Infrastructure as a Code.
- Writing shell scripts to automate build and deploy applications.
- Experience in developing and maintaining build, deployment scripts for test, staging and production environment using **Python**,**Maven** and **Shell** scripts.
- Working experience on Windows Active Directory and LDAP .
- Installation and configuration of **nginx**,apache on Linux.

⚡ Skills

Azure

AWS

Docker

Kubernetes

bash

Powershell

Python

Linux

Work History

DevOps Engineer

2020-09
- present

Autoscheduler.Ai

- Migrated from On-Premise Infrastructure and application to **Azure Cloud**
- Automated scripts written Build the **Docker** the images, stored images in **Azure Container Registry(ACR)** and deployed on **Azure Kubernetes Service (AKS)**
- Automated Continuous Integration builds, nightly builds, deployments and unit tests across multiple different environments (**DEV**, **QA**, **Production**)
- Configured **mbt** flexible build orchestration tool for monorepo
- Configured a secure connection to **Azure Cloud** using **Site-to-Site VPN** and **Point-to-Site VPN**
- Hands on experience on **Azure VPN-Point to Site**, **Virtual networks**, **Storage account**, **Resource Groups**, **SQL Server , Virtual machine scale set,Load Balancer,Network security group,Application Insights,Private DNS Zone.**n.
- Implemented **Bash**, **Powershell** scripting to automate day to day job tasks.
- Maintained consistent security to effectively implement best practices
- Maintained systems that monitored applications and infrastructure.
- Implemented deployment strategies using container orchestration tools such as Kubernetes.
- Provided engineering support from code delivery until retirement of application.
- Developed continuous improvements and implemented solutions to existing infrastructure, tools .
- Worked with cloud architect to generate assessments and develop and implement actionable recommendations based on results and reviews.
- Written some **Python** scripts to compare SQL tables , read data from csv file insert data into the DB

Cloud Engineer

2020-04
- 2020-09

Adventum

- Reviewed existing infra structure and made recommendations for improvements.
- Worked with teams of talented software engineers to define, build and maintain cloud infrastructure.
- Containerized the application using **docker** and deployed to **EC2**
- Provision the cloud resource AWS service like **VPC**,**EC2**,**S3**,**Document DB** via CloudFormation Scripts
- Permissions are granted to **IAM** entities to the specific AWS services

DevOps Engineer

2017-04
- 2020-04

Pogeyan Technologies Pvt Ltd

- Managing cloud environments in accordance with company security guidelines.
- Creating and maintaining an AWS **EKS** cluster for production deployments
- Creating a cluster for the development environment on bare nodes via **kubeadm** for costcutting.
- Automate scripts written for the **kubeless** deployments docker

- Having hands on experience with **helm** charts
- Created docker images for CMIS-Server
- Integrated code-coverage for cmis-server APIs using **JACOCO** plugin
- Implemented build script for building and packaging the application using gulp tasks
- Involved in the implementation of key features and enhancements
- Worked on Automation Test cases and manually testing
- Involved in UI Enhancements and bug fixes.
- Implemented build script for building and packaging the application using gulp tasks . Written Automation Test cases and did manually testing

Education

2012-09
- 2016-05

Computer Science Engineering , Bachelor of Technology

ANITS

Certificates

2020-03

AWS Solution Architect