Kishore Krishna Chaitanya

DevOps and Cloud Engineer

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Profile

Having 4+ years of professional experience in the field of Information Technology where area of experience in Build and Release engineering that includes Linux Administration, DevOps, Build Automation and Management, Software Configuration Management, Release Management, Continuous Integration and Continuous Delivery and Cloud Operations in Multi Cloud Environments

Professional Experience

DevOps and Cloud Engineer

- Having around 4+ years of experience in IT.
- Working as Azure DevOps Engineer with around 4+ Years of experience in CI/CD implementation.
- Experience in automating build and deployment, infrastructure and processes for multiple projects.
- Continuous monitoring by creating rules and alerts using Azure Monitor. Experience in implementation Azure load balancer.
- Worked on Redirecting the Traffic to different regions using Traffic Manager Routing Method based on priority, Performance, weighted and geographic.
- Knowledge on using and maintaining Azure Key Vault. Providing best suggestions about replication policies LRS, GRS and RA-GRS.
- Experience on Windows Azure (IaaS, PaaS), VSTS (CI CD), IIS, Azure Web Apps, Cloud services, Azure Storage, Traffic manager.
- Knowledge on branching and merging strategies/Policies.
- Integration of unit test cases in build pipeline Deploying Azure virtual machines and monitoring through OMS.
- Knowledge on configuring Self Hosted Agent and also SPN Service Principle Name.
- Having Expertise knowledge in configuring the Site-to-Site and Point-to-Site VPN connections.
- Managing Virtual disk allocation as per the Client & Application requirement.
- Migrating On-premises VMs to Microsoft Azure Cloud.
- Good understanding in Azure networking, Storage, VM provisioning, RBAC, NSG, Automation, AZ Copy, Storage Explorer, AD, Application Insights, ARM Templates automation etc.
- Troubleshoot Azure related issues and engage internal teams.
- Utilized Azure Kubernetes Services (AKS) to manage containerized applications, reducing maintenance time by 15%
- Ensured application consistent Backups and automated daily Snapshotsleveraging.
- Automate deployment and scaling of Kubernetes clusters and applications.
- Design and implement CI/CD pipelines for Kubernetes applications.
- Good understanding on Kubernetes master and Worker nodejs.
- Making Automated deployments with the help of Azure CI/CD pipelines

Education

2017/08 – 2020/10	**B.Tech**	
Kakinada, India	*Jawaharlal Nehru Technological University*	

Skills

Infrastructure as a Service (IaaS)
Azure Cloud service, Azure Virtual Machine, Azure Virtual Networks / Storage / SQL, Azure Backup, Azure copy, Azure Load Balancer and Azure Traffic Manager, Azure DNS

Platform as a Service (PaaS)
App Services, Function Apps

Infrastructure
Terraform, ARM Templates & AZ Commands

Database
SQL Server and Azure MySQL

Microsoft Operating System
Windows, Linux

Software as a Service (SaaS)
Azure AD and AD Connect

DevOps
CI/CD, Azure Repository, Docker, VSTS, GitHub.

Container & Orchestration Tools
Docker, Kubernetes & Helm Charts

SCM
Git, GitHub

Web Servers
IIS, Nginx, Apache Tomcat

Organizations

2020/12 – present Pune, India	**AST Global** *Azure DevOps Engineer*	

Projects

2022/02 – present

Project Name: Brightcove
Role: *Cloud and DevOps Engineer*
Roles and Responsibilities:

- Automated Continuous Integration builds nightly builds, deployments and unit tests across multiple different environments (DEV, QA and Production).
- Created Build and Release Definition for Continuous Integration and Continuous Deployment.
- Create web apps for developers to do development work.
- Creating/Configuring Load balancer and Traffic manager.
- Create storage accounts for dev & QA teams for their application development and testing purpose.
- Create ARM templates to reuse similar deployment with some standard configurations and naming conventions.
- Creating multiple resource and managing them using Terraform Managed & imported existing resources into state file, Utilized modules for code reusability using terraform
- Adding additional disks to Azure VM upon request/utilization.
- Scale up and scale down various services like VMs, SQL Servers. Creation of Azure VM's, Azure NIC, Azure Virtual networks, and provide access, users and managing entire Azure infrastructure services.
- Provide read access of Azure subscription to users upon approvals from higher management.
- Preparing the recovery services vault and finalize the azure resources.
- Working with the application Owner for the Data assessment and Getting Approvals. Installing the azure VM Agents for integrating the Azure Backup services.
- Enabling and configuring the Backup policy on Virtual Machines.
- Deploy and manage the Azure Services like Virtual Machines, Web Apps, Storage, Virtual Networks, and Azure CDN & Microsoft Operations Management Suite.
- Providing solutions to the Customers based on the requirements/service requests.
- Configuring storage account access, diagnostics & monitoring. Installing and configuring IIS and FTP services, creation of FTP sites.

- Utilized Azure Kubernetes Services (AKS) to manage containerized applications, reducing maintenance time by 15%
- Performing health checks on server for space and memory management.
- Writing Yaml manifest files to make deployments to the Cluster Making Automated deployments with the help of Azure CI/CD pipelines.
- Adding the worker nodes to AKS cluster Use of Secrets and configmaps in the cluster
- Exposing the application through the Service as a Load balancer Use of nginx ingress controller to allow Path based routing.
- Good understanding on Kubernetes master and Worker nodejs.
- Kubernetes core concepts Deployment, ReplicaSet, DaemonSet, Statefulsets, and Jobs.
- Managing Kubernetes secrets &Ingress Controllers.
- Managing resource quotas Experience in setting up monitoring and alerting for Kubernetes cluster

2020/12 – 2022/01   **Project Name: St louis office of Violation**
Role: *Software-Engineer*
<u>Roles and Responsibilities:</u>
- Worked on Azure IAAS and PAAS services for automation deployments.
- Creating repositories, new users for GIT and give the permissions to users to access repository.
- Create branches and merging the Branches for Integration.
- Helping users on Day to Day activities involving Check In, Check Out, View problems.
- Manage branching & merging of releases for Parallel development.
- Maintaining the repositories (includes creating, deleting).
- Work with Development Teams and Testing Teamto establish a build schedule, execute the builds and troubleshoot build failures.
- Good exposure of agile development methodology in designing and implementation of Continuous Integration and Delivery (CI/CD) methodology.
- Build and release definition configuration and enabling triggers for CI and CD.
- High level of understanding and experience of Continuous Integration, Continuous Delivery (CI/CD), Agile and other DevOps related methodologies.
- Writing PowerShell scripts for automating repetitive tasks.
- Providing Access Rights to users, Giving support to developers and resolving trouble shooting Git issues.
- Developing the utility scripts to effectively reduce the time and manual effort.
- Process template modifications/customization based on the customer requirements.