**Bhargav Tata**

**Azure DevOps Engineer**

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+91- 7337037141

**Summary:**

Around  **4+** years of experience as an outstanding, self - motivated professional with around 4+ years of experience in IT industry with major focus on **Azure administration** and Software Configuration & **Build/Release Management.**

* Very good experience in DevOps Methodologies and working towards a core DevOps engineer who can bring an end-to-end workflow of Continuous Integration, Continuous Delivery and Continuous Deployment process for an organization.
* Experience in working with Source Code Management (SCM) server and client tools like Git, Azure Repos.
* Configuring Build and release using Azure DevOps (VSTS).
* Configuring Azure Kubernetes Services using terraform configuration files with CI/CD.
* Used Azure Kubernetes Services to orchestrate the deployment, scaling, and management of Docker Containers.
* Having Experience in creating Custom Docker images using Dockerfile.
* Deployed Azure IaaS Virtual Machines (VMs) into secure VNets and subnets using Azure PowerShell.
* Hands on experience in Git, GitHub, Azure DevOps and Terraform.
* Deploying Kubernetes Deployments, Ingress, ConfigMaps, secrets objects using Helm.
* Extensively worked on VNets, Subnets, NSGs (Network Security Groups), ASGs (Application Security Groups), Route Tables, Subnet Gateway, Service-Endpoints, VPN Gateway (P2S (point-to-site) and S2S (site-to-site)).
* Configured multiple stages and jobs using Yaml and through templates also with pre-approval checks.
* Worked on setting up peering between VNets in same region and across regions.
* Experienced on Docker, Terraform, Kubernetes and Azure AKS.
* Worked on Azure Backups using Recovery Services Vault and Backup Restore.
* Worked on Azure DevOps Concepts (CI/CD Pipelines) and Azure App Services.
* Experience enabling SSL for WebApps.
* Created Kubernetes Manifest files and Helm charts for API objects for deploying 10+ complex applications in AKS cluster.
* Built application Docker images and push it to Azure Container Registry.
* Configured Self-hosted agents for the azure pipelines and created service connections using service principles and PAT.
* For defining variables in the pipeline, used variables templates, variable groups, and linked Azure Key Vault for accessing the secret data.
* Writing manifest files to deploy microservices components into the Kubernetes cluster.
* Integrated SonarQube and Veracode tools with existing CI pipeline to do the static code analysis and application security testing.

**TECHNICAL SKILLS:**

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| --- | --- |
| Cloud services: | Azure (IaaS & PaaS) |
| Containerization & Orchestration Tools | Docker, Kubernetes, AZURE AKS, ACR |
| SCM Tools | Git, GitHub, Gitlab, Azure Repo |
| Cloud Security | Azure NSGs, Security Groups, Azure Metrics, Application Insights |
| IaC | ARM templates, Terraform |
| CI/CD Tool | Azure DevOps (VSTS) |
| Build Automation Tools | Maven, MS Build |
| Monitoring | Azure Monitor, Azure Application Insights |
| Scripting languages | PowerShell, YAML. |
| Operating Systems | Windows, Linux |
| Cloud Tools | Microsoft Storage Explorer, AZ copy, Azure CLI. |
| DevOps Tools | Git, Azure DevOps (VSTS), Kubernetes, Docker, Terraform, Helm, Azure Container Instances. |

**EDUCATION:**

* B.Tech in Electronics and communications Engineering at Manav Bharti University, India in 2015.

**PROFESSIONAL EXPERIENCE**

**Employer: FX ABS Solutions Pvt. Ltd, Hyderabad, India**

**Project: At&t**

**Role: Software Engineer**

**Duration: April 2019 to April 2021**

**Roles and Responsibilities:**

* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Troubleshoots Azure VM RDP issues and Servers connectivity issues from Azure Portal.
* Created Blob storage, created Containers inside and granted access as required.
* Experience on Load Balancer, Virtual Network Gateway & Application Gateway.
* Experience on Fault and Update domains
* Provided JIT access to VMs.
* Hands on Experience on Backup and Backup restore Azure services using Recovery Services Vault Used Kubernetes to orchestrate the deployment, scaling, and management of Docker Containers.
* Created container repository in ACR (Azure) uploaded all necessary images to cloud repositories.
* Hands on experience in load balancers, storage accounts, availability set, Azure active directory, resource groups, key vaults, Data Migration Tool etc.
* Worked on Configuration of Internal load balancer, load balanced sets and Azure Traffic manager.
* Experience on Resize the VM, Reset Password and Redeploy the VMs
* Good experience in configuring the VMSS (Virtual Machine Scale Sets).
* Preparing the Custom Build Agent as a part of CI/CD in VSTS.
* Evaluation Azure VMSS to auto scale up and scale down Azure VM workloads.
* Performed Builds for various environments like QA, UAT and production environments.
* Used Azure Kubernetes Service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal.
* Hands-on experience in Azure IaaS & PaaS.
* Provisioning Data disks to Azure VM’s.
* Registering the Custom/private Build Agent on agent pool and using for build & release pipeline with Azure DevOps

**Environment:** Azure IaaS & PaaS Services, Git, Azure DevOps (VSTS), Terraform, Docker, Kubernetes, Helm, SonarQube.

**Employer: FX ABS Solutions Pvt. Ltd, Hyderabad, India**

**Project: Pwc**

**Role: Software Associate**

**Duration: Feb 2017 to Mar 2019**

**Roles and Responsibilities:**

* Inviting new members to work on project and setting permission.
* Scaling up and scaling out for Web Apps based upon needs.
* Solving issues related to start/stop VM from the management portal.
* Configuring Geo replication for SQL Azure.
* Created and manage the storage accounts and attached the disks when required.
* Creating Storage accounts and analyzing storage usage and cost.
* Expertise in Blob storage and File storage.
* Automating your infrastructure deployments in the Cloud with Terraform and Azure Pipelines
* Provisioning and mapping Blob storage to the VM’s.
* File sharing to VM’s.
* Taking ownership any incomplete tasks, open alerts and troubleshooting the issues.
* Working on VNET, Storage, Load balancer, Availability set etc. in Azure.
* Restoring Backup files and folders using Azure Backup Agent.
* Designed VNets and subscriptions to conform to Azure Network Limits.
* Adding, removing, or updating user account information, resetting passwords.
* Resolving git merge conflicts.
* Configuring Deployment slots for Web Apps.
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.

**Personal Details:**

* Date of Birth : 24-June-1994
* Languages known : English, Telugu, Hindi
* Passport : M7470378
* PAN : BFXPT5680Q
* Permanent address : Khammam, Telangana- 507183.

**(Bhargav Tata)**