**M. Venkata Siva venkatasiva2813@gmail.com Sr. DevOps Engineer Mobile: +91-9490233877**

**Objective:**

 To be associated with a progressive organization that gives scope to apply my Knowledge and skills, and to be a part of a team that dynamically works towards growth of the organization.

**Professional Summary: -**

* Overall 5+ Years of experience in IT industry as Azure Cloud DevOps engineer, Configuration management, Infrastructure automation, Continuous Integration and Delivery (CI/CD).
* Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database.
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNet’s), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage, Active directory.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, VPN, Load Balancing, Application Gateways, Auto-Scaling, and Traffic Manager.
* Implemented a CI/CD pipeline using Azure DevOps (VSTS, TFS) in both cloud and on-premises with GIT, MS Build, Docker, Maven along with Jenkins plugins.
* Major focus on Configuration, SCM, Build/Release Management, Infrastructure as a code (IAC) and as Azure DevOps operations Production and cross platform environment.
* Managed environments DEV, SIT, QA, UAT and PROD for various releases and got involved in application migrations through different environments including migrations to cloud.
* Experienced in working on DevOps /Agile operations process and tools area (Code review, unit test automation, Build & Release automation Environment, Incident and Change Management) including various tools.
* Proficient with Docker images using Docker File, worked on Docker container snapshots, removing images, and managing Docker volumes and implemented Docker automation solution for CI/CD model.
* Involvement in developing APIs using Kubernetes to manage and specify the copies of the containers to run the actual servers in the cloud environment.
* Scheduling and deploying container replicas onto a cluster node using Kubernetes and deployed Docker containers through Kubernetes to manage the microservices using its Nodes, Pods, ConfigMaps, Selectors, Services.
* Configuring and managing **Kibana** and **Grafana** dashboards.
* Webserver configurations - setting up vhosts, reverse proxy, SSL Setup, Integration and log rotation for Apache, Nginx, Tomcat servers.

**Professional Experience: -**

* Working as a **Software Developer III** at **UST Global Technology**, Bangalore.
* Worked as **Senior Software Developer** at **MoonStone Info Tech,** Hyderabad**.**

# **Academic Profile:**

* Bachelor of Technology, JNTU University, Anantapur 2014.

**Technical Skills: -**

* Platforms : RHEL, Centos, Ubuntu
* Cloud Computing : Azure, Azure DevOps
* Automation tools : Ansible, TFS, UCD
* Build & SCM Tools : Maven, Jenkins, GIT, SonarQube, Jira, Bitbucket, Nexus
* Web/App Servers : Nginx, Tomcat
* Ticketing, Monitoring & Logging : Jira, Prometheus/Grafana/Kibana/ELK
* IAAS/Containerization : Docker/Kubernetes
* Scripting: : Shell/Python

**Project#3: -**

**Client: Dell –** (Azure, Azure DevOps, AKS, Docker, Ansible, PowerShell)

**Role: Cloud & DOE Engineer**

**Responsibilities:**

* Configure Continuous Integration from source control, setting up build definition within Visual Studio Team Services (VSTS) and configure continuous delivery to automate the deployment of ASP.NET, JAVA and Database applications to Azure web apps and managed Azure Active Directory, Office 365 and applied upgrades on a regular basis.
* Implemented a CI/CD pipeline with Docker, Jenkins (TFS Plugin installed), Team Foundation Server (TFS), GitHub and Azure Container Service, whenever a new TFS/GitHub branch gets started, Jenkins, our Continuous Integration (CI) server, automatically attempts to build a new Docker container from it.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs and SQL Database.
* Used Ansible to Setup/teardown of ELK stack (Elasticsearch, Log stash, Kibana) and troubleshoot the build issues with ELK and work towards the solution.
* Written Ansible handlers with multiple tasks to trigger multiple handlers and to decouple handlers from their names, making it easier to share handlers among Playbooks and Roles.

**Project#2: -**

**Client: Wells Fargo** (Docker, Ansible, Kubernetes, Prometheus, Grafana)

**Role: DevOps Operations Engineer**

**Description:**

Deep dive into micro services for setting up monitoring tools (Prometheus, Grafana and ELK) for Prod and None prod environments and closely monitoring Application logs and metrics on Kubernetes cluster (AWS IAAS). Be responsible for the design, support and maintenance of a large monitoring infrastructure. Relevant knowledge of monitoring industry standards and the use of analytics in an operational setting. Design, implement and maintain a comprehensive monitoring solution. Collaborate with Engineers, Operations and other teams to ensure application, network and system monitoring best practices.

**Responsibilities: -**

* Working on Jira tickets for production/non production support.
* Defining and maintaining StatefulSet and deployments for Kubernetes pods to configure Prometheus, Grafana and kibana services.
* Setting up and maintained Logging and Monitoring subsystems using tools like Kibana, Prometheus, Grafana and Alertmanager.
* Defining ansible roles for alert rules and exporter configuration
* Configuring Prometheus alert rules for different services and managing dashboards in Grafana.
* Configuring and managing Kibana and Grafana dashboards with the help of Ansible roles.

**Project#1: -**

**Client: PriceWaterHouseCoopers, Bangalore –** (Linux, AWS)

**Role: System Engineer**

**Description:**

Participate in 24x7 on call rotation. As a System Engineer need to be responsible for installation, configuration and maintenance and upgradation of software products by using automation scripts on UNIX environments. Configuration and maintaining of Nginx as Haproxy, Reverse proxy servers. Responsible for managing LVM & SWAP partition if necessary. Performing file system backups & restoring. Managing the problems associated with boot process and troubleshooting login issues.

**Responsibilities: -**

* 24\*7 support (Infra Level) with teams in three different Locations across the global.
* Worked with developers to agile processes and tools, such as branching, source control structure, dependency management, Linux server build infrastructure, code review, and check-in policies, that are developed and instrumented by DevOps teams across projects.
* Installation, configuration and upgrading of Linux software products.
* Configuration and maintaining of Nginx as Haproxy, Reverse proxy servers.
* Responsible for managing LVM &Manage SWAP partition if necessary.
* Performing file system backups & restoring as per procedure.
* Managing the problems associated with boot process.

Place: Bangalore M. Venkata Siva