**Bhairaveswara Reddy**

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**PROFESSIONAL SUMMARY:**

* Around **7+**years of experience in IT sector with around 4+ years of experience in build engineering and release management process, building and deploying applications by adopting DevOps practices such as **Continuous development, Continuous Integration (CI)** and **Continuous Deployment (CD)** in runtime with various tools like **Git, Maven, VSTS, Jenkins, Ansible, Docker, Kubernetes** and managing cloud services with **AWS** &**Azure.**
* Primary duties include combination of Automation/Tools and Processes to achieve Continuous Integration/Continuous Delivery (CI/CD) for various applications by integrating tools like Jenkins, Git, SonarQube, and Ansible in On-prem & Cloud Environments.
* Creating and maintaining Infrastructure for Applications in Azure/AWS using Terraform. Building & Automating CICD pipelines for different applications.
* 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 Continuous integration tools like **Azure DevOps** **and Jenkins.** Integrated third party tools like service now, Artifactory, azure **container registry** and **SonarQube.**
* Expertise working with **Kubernetes** to automate deployment, scaling and management of web Containerized applications.
* Extensive experience with **JIRA** for Project Planning/Management.
* Major focus on **Configuration, SCM, Build/Release Management, Infrastructure as a code (IaaS)** and as AWS DevOps/Azure DevOps operations Production and cross platform environments.
* Experience in setting up **CICD** pipeline integrating various tools with Jenkins to build and run **Terraform** jobs to create infrastructure in **AWS.**
* Developed and managed cloud VMs with **AWS EC2** command line clients and Services **AWS** provisioning and worked on services like **EC2, S3, AMIs, ELB** (Load Balancers), **RDS, SNS, SWF** and **EBS.**
* Built **S3 buckets** and managed policies for **S3 buckets** and used **S3 bucket** and Glacier for storage and backup on **AWS**.
* 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.
* Worked on deployment automation of all the micro services to pull image from the private **Docker** registry and deploy to Docker swarm cluster using Ansible.
* Used JIRA to keep track of all the ongoing tasks and maintain bug resolutions.
* Involved in the analysis and troubleshooting of issues which are tracked through **VSTS**.
* Experience in assigning the azure services on locations specific to integrate with web-apps and key-vaults.
* Installing and configuring the applications like **docker** tool and **Kubernetes** for the orchestration purpose.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include **compiling**, **packaging**, **deploying** and **Application configurations**.
* Profusely worked on Version control tools GIT, clear case to track changes made by different people in source code involving concepts like **Branching**, **Merging** and **Tags**.
* Experience in software build tools like Apache Maven and to write Pom.xml and Build.xml respectively using build plugins in maven.
* Very good experience in using different source code version control tools like GIT, SVN and Bit bucket.
* Server - Installation, Configuration, Design and Administration, plus experience of extending and integrating these tools with other systems, platforms and processes using Shell, bash and Java scripting.
* Developing Maven and Ant scripts to automate the compilation, deployment and testing of Web and J2EE applications to the platforms.
* Collaborated with different teams to achieve the work force and escalations to meet the requirements.
* Explicit knowledge on Ansible Playbooks, modules and roles.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Written Ansible playbooks for configuration management and multi-machine deployment.
* Good knowledge on **Docker** and **Docker-files**. Containerizing web application from **Linux** server to **Docker** containerizes.
* Excellent communication skills, high analytical and problem-solving capabilities and good team player.

**TECHNICAL SKILLS:**

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| **Operating Systems** | Windows and Linux |
| **Languages** | Java, .Net |
| **Configuration management** | Ansible, Terraform |
| **Containerization** | Docker,Kubernetres,ACI,ACR |
| **Microsoft Tools** | Visual Studio 2008,2012,2013 and 2015 |
| **Build** **Automation** | Maven and MSBuild |
| **Version Control Tools** | TFS2008, TFS2014,TFS 2018 and GIT |
| **Code Review** | Sonar Qube |
| **CI/CD Tools** | Jenkins,TFS,VSTS, Azure DevOps |
| **Application Server** | IIS, Tomcat, Apache |
| **Cloud Technology** | Azure and AWS |
| **Monitoring Tools** | Nagious, Lensentry, Stack Driver |
| **Database** | SQL, MySQL |
| **Technology** | ASP.NET, WCF, Web API |
| **Scripting languages** | Shell, Bash, Powershell  |
| **Artifact Repository** | Nexus |
| **Other Tools** | Ubuild |

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**WORK EXPERIENCE:**

**Capgemini 3rd December 2018 – Till Date**

**Role: Software Engineer**

**Responsibilities:**

* Extensively involved in Version Control, Build & Release Management and Deployments of the Solutions to the DEV, QA & PROD Environments leveraging Azure DevOps (VSTS)/TFS principles/process (CI/CD) and toolsets of Visual Studio, Docker Containers, AKS (Azure Kubernetes Service), App Service, Application Insights and Power Shell modules.
* Experienced in Configuration Management, Automation, Development, Build, Deploy, Release Management and Quality Assurance.
* Experience in dealing with Windows Azure IaaS - Virtual Networks, Virtual Machines, Cloud Service, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, and Auto-Scaling.
* Experience in configuring Azure App services Azure Application insights, Azure Application gateway, Azure DNS, Azure Traffic manager, App services Analyzing Azure Networks with Azure Network Watcher, Implementing Azure Site Recovery, Azure stack, Azure Backup & Automation.
* Deployed and optimized multi-tier Java, Python web applications to Azure DevOps CI/CD to focus on development by using services such as Repos to commit codes, Test Plans to unit test, deploy App Service, Azure Application Insight collects health performance and usage data of the process, stored artifacts in blob storages.
* Implementing & maintaining branching and build/release strategies utilizing GIT, TFVC, Azure Repos. Experience deploying resources using Azure Resource Manager Templates.
* Implemented Microservices, application development, and migration using AZURE services such as Azure DevOps, Kubernetes Service (AKS), Container Registry, Cosmos DB, and, Azure pipelines, Monitor, RBAC, Kubernetes AKS and Kubernetes API to run workloads on AKS.
* Experienced in Azure Kubernetes service to produce production-grade Kubernetes that allow enterprises to reliably deploy and run containerized workloads across private and public clouds.
* Extensive experience in installing, configuring and administering Jenkins CI tool on Linux and windows machines. Used Jenkins pipelines to drive all Microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes
* Responsible for implementing containerized based applications by using Azure Kubernetes service (AKS), Kubernetes Cluster, which are responsible for cluster management, Virtual Network to deploy agent nodes, Ingress API Gateway, MySQL Databases and Cosmo DB for stateless storage of external data, and setup reverse proxy Nginx in the cluster.
* Implemented Jenkins pipelines into Azure pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using AKS.
* Developed Ansible playbooks, inventories and custom playbooks in YAML, and encrypted the data using Ansible Vault and maintained role-based access control by using Ansible Tower and implemented IT orchestration using Ansible to run tasks on different servers.
* Managed Azure Container Registry to store private Docker images, which are deployed and Azure pipelines to build, test, and deployments. Application Insight to collect metrics, queries.
* Used Ansible to configure and manage infrastructure, created Playbooks to automate the configuration setups, Established Ansible Best practices approaches to system deployment with tools Created a fully automated Gitlab pipeline to setup central Artifactory repository on a Kubernetes Cluster.
* Involved in configuration for Web apps/Function apps, V-net integration, HCM, Application gateway, App Insights, Active directory, Azure Key Vault, Encryption and Security on Azure.
* Used Terraform for building, changing, and versioning Confidential Azure infrastructure safely and efficiently. Involved in setting up Terraform continuous build integration system. Also Implemented the solution for the Disaster Recover (Blue-Green Deployment) and have automated the process using Terraform Template.
* Automated this Infrastructure creation on Azure using Terraform which is Infrastructure as Code (IaaC), and Azure Power Shell.

**Environment: Azure DevOps, Kubernetes, Docker, Application Insights, Terraform, Ansible, Jenkins, Git, Python, Power Shell, TFS, YAML, VSTS, Visual Studio Code, Artifactory, Tomcat, Nginx, Linux, Windows**.

**Launchship Technologies Pvt Ltd 1st February 2016 – 30th November 2018**

**Role: Associate Software Engineer**

**Responsibilities:**.

* Good working experience in building and deploying Java and .Net web applications and websites in Windows and Linux environment On-premise, Azure and AWS .
* Active participant in calls related to decision making of planning, Executing and implementing of build and release activities.
* Configure and Host on demand websites in all environments starting from Dev through QA, UAT, Sandbox till production.
* Responsible for Branching, merging tagging and maintain code on version control GIT and Azure Repos.
* Configured Azure DevOps project and created CI/CD pipelines work flow.
* Automate infrastructure related activities and numerous deployment related tasks using Azure Devops and VSTS.
* Verify Deployments logs to check for successful deployments.
* Trouble shoot and find RCA for system, services and applications configuration issues and provide solutions on demand.
* Experience working with Enterprise and Open Source. Installed, configured, upgraded and manage.
* Experienced in creating App Services(web app) and function app.
* Experienced in creating storage account and hosting statis websites in that.
* Experienced in creating cdn profile and endpoints through Azure portal as well using automation account using powershell runbooks.
* Experienced in moving Resources
* Worked on Azure Monitoring services, created Log Analytics for monitoring resources.
* Worked for creating the (Horizontal Scaling & Vertical Scaling) VM Scale Set, Load Balancer, and Application Gateway.
* Deploying, monitoring, managing and scaling workloads on Azure Resource Manager (ARM) virtual machines (VMs)
* Good Knowledge for Azure Subscriptions.
* Good Knowledge of Monitoring of MS Azure Services.
* Good experience of Azure Administration Tasks & Troubleshooting on Azure Service.
* Experienced in Azure Devops Projects , Assigning tasks to users and adding and removing Users.
* Experienced in Dockerization (Docker) for applications lunching containers and images .
* Experienced in creating Docker (images/containers) by using Azure container instances.
* Experienced in Docker Clustering using Kubernetes
* Good experience in 24/7 support.

**Environment: Git, MSBuild,VSTS,Maven,Jenkins,Azure DevOps,Docker,Kubernetes,Azure,powershell.**

**Yash Technologies 10th June 2013 – 31st December 2015**

**Role: System Admin**

**Responsibilities:**

* Day to day operational support and maintains for redhat, 5 & 6 servers.
* Installation of Red Hat Enterprise Server 5 and Red Hat Enterprise Server 6 using kickstart on HP Proliant servers.
* Administered user accounts, adding, modifying and removing users and groups.
* Managing file system permissions & ACL.
* Changing Permissions and Ownership of a file or Directory.
* Working with Logical Volume Management (LVM).
* Creating LVM partitions, managing LVM partitions, extending LVM partitions.
* Implementing and Configuring NFS and FTP servers.
* Managing file systems (Creating file systems, extending file systems).
* Configuration of remote connection tools like ssh and scp.
* Troubleshooting the Regular Hardware and Network Problems.
* Booting systems into different run levels for troubleshooting and system maintenance.
* Secure Remote Logins and File copying.
* Installing and managing packages using command line utility RPM and YUM.
* Troubleshooting on Network Configuration, Hardware Related Problems.
* Maintenance (SW/HW service and upgrades), Server Performance.
* Setting cron jobs for daily maintenance of servers.
* Trouble shooting OS related issues like CPU overloaded, log files full and Cron job failed to run.
* Experienced in scheduling jobs using crontab and attab.

**Educational Details: Master of Business Administration.**