

SNEHA BILLA
Cloud DevOps Engineer
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Profile Summary

- **About 4 years** of experience as **DevOps Engineer** with **Azure** and **AWS** clouds for building, testing, and maintaining infrastructure by using DevOps practices such as continuous development, continuous Integration (CI) and Continuous deployment (CD) in runtime with various tools like GIT, Maven, Terraform, Jenkins, Ansible, Docker, Kubernetes and managing cloud services with various operating systems.
- Manage SQL Server databases in multiple product lifecycle environments. Good Knowledge in databases like MSSQL, MySQL, SQL.
- Strong programming skills in designing and implementation of multi-tier applications using web-based technologies using HTML, CSS, JavaScript.
- Proficient in Administrating Azure IaaS/PaaS services like compute Azure virtual machines, VNET, Network services, Azure DevOps, SQL Database, Azure Active Directory, Storages, Autoscaling, Azure search, DNS, VPN etc. Hands on experience in Azure Resource Manager (ARM) to deploy.
- Experience with container-based deployments using Docker, working with Docker images, Docker Hub, and Kubernetes.
- Strong experience in system Administration, Installation, upgrading, downgrading, configuration, troubleshooting, networking, Backup, performance issues on Red Hat Linux and Windows machines.
- Developed automated process for code builds and deployments using Run deck.
- Experience in migrating on-premises applications to Azure cloud and configured VNETs and Subnets as per the project requirements.
- Used software development life cycle (SDLC) with software development models like JIRA, Agile, and ServiceNow to keep track of all the ongoing tasks and maintain bug resolutions.

Education:

Bachelor of Technology from Sri Krishnadevaraya University.
Masters in information technology from University of Cincinnati.

Aug 2015 – May 2019
Aug 2022 – Dec 2023

Technical Skills:

Technology	Tools
Languages	Core JAVA, Python, JavaScript, HTML, CSS, SQL, MYSQL
Operating systems	Linux Red Hat (4.x, 5.x, 6.x, 7.x), Ubuntu, Unix, Kali Linux, Windows, Mac.
Automation Tools	Jenkins, Rundeck, Ansible.
Build Tools	Maven, Terraform
Web/App Server	Apache Tomcat
Configuration Tools	Ansible
Web Technologies	HTML, CSS, and JavaScript.
Virtualization Tools	Docker, Kubernetes, VM virtual Box and VMware
Monitoring tools	Cloud watch, Jira, Nagios
Databases	SQL, MS SQL Server, MYSQL, NoSQL
Cloud platform	Microsoft Azure, AWS EC2, VPC, ELB, RDS, Route 53, IAM, SES, SQS, SNS, ECS, EBS, Cloud formation, Docker, AWS Config.
Source Control	SVN, GIT, GitHub.

Professional Experience:

Accenture, India.

Nov 2019-July 2022

Role: Azure DevOps Engineer

Responsibilities:

- Developed Ansible playbooks to configure and manage servers.
- Gathering the requirements from clients about the applications to apply the security measures.
- Implemented automation for deployments by using YAML scripts for massive builds and releases.
- Worked on implementing backup methodologies by Power Shell Scripts for Azure services like Azure SQL Database, Key Vault, Storage blobs, App Services etc.
- Wrote Power Shell Scripts to create the parameter files automatically for all the services in ARM.
- Used Service now tool for managing incidents and change request tickets.
- Created virtual networks on windows Azure to connect all the servers.
- Created, updated, and deleted multiple resources in Azure and migrated the on-premises resources to Azure with Azure site recovery and Azure backups.
- Deployed Azure IaaS virtual machines (VM's) and cloud services PaaS into secure VNets and Subnets using PowerShell.
- Experience using Azure monitoring tools, to avoid disruptions.
- Created ARM templates for deploying the resources.
- Experience in Azure resource manager (ARM) to deploy, update, and delete multiple Azure resources, as well as migrating on-premises resources to Azure with Azure site recovery and Azure backups.
- Delivered end-to-end CI/CD pipeline using Jenkins for VM provisioning in agile environment.
- Hands-on experience in creation of Docker containers and basic knowledge of Kubernetes.
- Tracked user stories in defect-tracking tool JIRA and extensively worked on version control tool Git.
- Hands on Experience working with the Microsoft Azure Cloud Services and deployed the servers through Azure Resource Manager Templates or Azure Portal.
- Strong Experience on Administration and Troubleshooting of Azure IAAS Components (VM, Storage, VNET, Site to Site VPN).
- Good Exposure in Azure Site Recovery and Azure Backup and Configuring Azure Backup vault for protecting required VMs to take the VM level backups for Azure and On Premises Environment.
- Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.

Environment: Linux, windows, VMWare, MSSQL, Jenkins, Rundeck, Microsoft Azure, Ansible, Azure DevOps, GIT, Shell Scripting, Docker, Terraform, Artifactory, PowerShell.

Pro Aspire Infotech Pvt. Ltd

Jan 2019 – Nov 2019

Role: Software Engineer

Responsibilities:

- Responsible for installing, configuring and administration of Red Hat Enterprise Linux and Windows servers.
- Experience in troubleshooting TCP/IP, DNS, NTP, servers on different multi-platforms.
- Worked on routers and network using Telnet and SSH login using SSH keygen tools for password less setups.
- Expertise in Amazon AWS Cloud Administration which includes services like, EC2, S3, VPC, EBS, Auto scaling, Security Groups etc.
- Launching Amazon EC2 Cloud Instances using AWS (Linux/Windows) and configuring instances

with respect to specific applications.

- Managed IAM policies, providing access to different AWS resources, design and refine the workflows used to grant access.
- Installed applications on AWS EC2 instances and configured the storage on S3 buckets.
- Experience with Build Management Tool Maven for writing build.xml and pom.xml.
- Upgrading Linux and windows environments using different packages.
- Creating environments using automation scripts in on-premises as well as in the cloud.
- Responsible for setting up Cronjobs scripts on development and production servers.
- Experience in JIRA for ticketing and defect tracking tickets.
- Worked closely with development and QA team for releases.
- Involved in all the phases of SDLC including Requirements Collection, Design and Analysis of the Customer Specifications, Development and Customization of the application.

Environment: Amazon Web Services (AWS), IAM, S3, EC2, ELB, AS, RDS, Route 53, Cloud trail, SES, SQS, VPC, Cloud watch, Git, PowerShell, VMWare, MYSQL, Linux, and Windows machines.

Certification:

Microsoft Certified [AZ 400]: Azure DevOps Engineer Expert

June 2023

Microsoft Certified [AZ104]: Azure Administrator Associate

March 2022

Data Engineering on Microsoft Azure [DP203]

Nov 2023