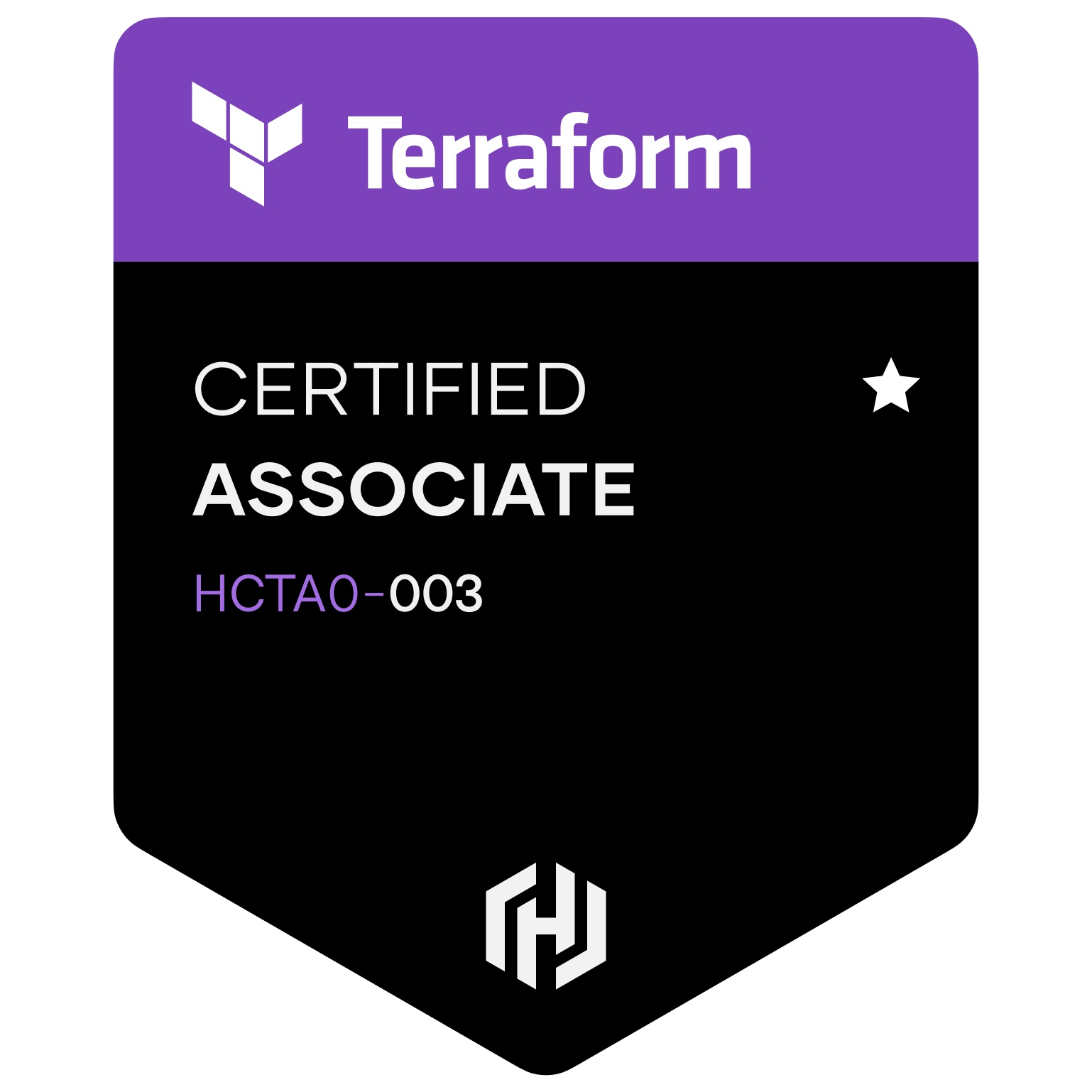
**BHARATHI KONCHA**

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**Lead** **DevOps Engineer**

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Around 10+ years of IT Experience as Sr. Cloud DevOps Infrastructure Engineer, DevOps Engineer, Site reliability engineer, Build & Release Engineer, and Linux administrator. Implemented effective IT strategies and knowledge on Azure, Configuration Management tools like Ansible, infrastructure as code like Terraform and deployed applications through CI/ CD using Jenkins, Docker and Container Orchestration tools like Kubernetes, AKS, monitoring tools such as Dynatrace, AppDynamics, Azure monitors, Grafana, Prometheus.

**Professional Summary**

* Experience in AWS Administration Services like EC2, S3, EBS, VPC, ELB, RDS, SNS, SQS, Route 53, Lambda, Dynamo DB, Auto Scaling, Security Groups, AWS IAM Services in Users, Groups, Policies, Roles, AWS Access Keys
* Hands on experience on deployments of web applications based on Node.js, Python, Java using AWS Code Pipeline, AWS EC2, AWS VPC, and Jenkins and secured by creating IAM roles and policies for services and users.
* Extensive involvement in cluster operations in AWS Kubernetes (EKS) to deploy microservices with CI/CD system and used Kubernetes cluster to scale up operations of clusters, maintain the cluster services, load balancing, network policies, group Docker containers across different platform.
* Hands on experience in writing Terraform IAC modules to manage AWS infrastructure, for automatic creation of RDS instances, VPCs, Autoscaling groups, Load balancers, SQS, S3 buckets.
* Expertise in production ready, load balancing, highly available, fault tolerant, auto scaling Kubernetes Infrastructure and Microservice Container Orchestration.
* Experience in Kubernetes Replication controllers to allow multiple pods such as Jenkins master server in multiple minions. Managed Kubernetes charts using Helm, managed Kubernetes manifest files and created reproducible builds of the Kubernetes application.
* Experience in Kubernetes templates for various applications like Cassandra, Grafana, Kafka and setting up Kubernetes Clusters for running microservices and pushed microservices into production with Kubernetes backed Infrastructure.
* Strong exposure in utilizing Jenkins, GitHub Actions as CICD tool and code integration, code delivery and release pipelines.
* Experience in using Jenkins pipelines to drive all microservices builds out to the Docker images, stores in Azure Container registry and then deployed to Kubernetes. Created Pods, managed using Kubernetes and performed Jenkins jobs for deploying using Ansible playbooks and Bitbucket.
* Installed and configured AWS and Azure plugins locally for seamless integration with Terraform IAC.
* Experienced in working on Docker hub and Docker swarm, Docker compose creating Docker images and handling multiple images primarily for middleware installations and domain configuration and worked on Docker container snapshots.
* Expertise in setting up and maintaining CI &CD pipeline using tools like Jenkins, SonarQube, Github, Nexus & JFrog artifact repositories
* Implemented collaborative development environment using GIT, GitHub and integrated it with Jenkins, GitHub actions and maintained branches/forks in GitHub version control for the changes made in cookbooks as per release.
* Defined resource blocks within Terraform IAC configurations to manage infrastructure-associated objects efficiently.
* Experience in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like Subversion (SVN), GIT (GitHub, GitLab).

**Technical Skills**

|  |  |
| --- | --- |
| **Version Control Tools** | Git, SVN, CVS, bit bucket |
| **CI/CD Tools** | Cloud bees Jenkins |
| **Build Tools** | Maven, Gradle |
| **DevOps Tools** | Ansible, AWS, Nexus, Jfrog Artifactory, Terraform, Docker, Kubernetes, Kafka, Sonarqube. |
| **Bug Tracking Tools** | Jira, Servicenow |
| **Languages** | PL/SQL, Java, Python |
| **SDLC** | Agile, Scrum and Waterfall. |
| **Scripting** | Shell/Bash Scripting, Python, Groovy |
| **Monitoring Tools** | Cloud Watch, Prometheus and Grafana |
| **Cloud services** | Amazon web services (AWS) |

**Education**

* B.Tech. in Information Technology at JNTU College of Engineering, India-May 2014.
* **Certified** as Terraform Associate.
* **Certified** as Azure-Designing and Implementing Microsoft DevOps Solutions.
* **Certified** as Post Graduation in DevOps from California Institute of Technology.

**Professional Experience**

**Ally Bank, Atlanta, GA Dec 2024 – Present**

Role: Lead Cloud DevOps engineer/Site Reliability Engineer

**Responsibilities:**

* Experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like IAM, EC2, Elastic Load-balancers, Elastic Container Service, S3, CloudFront, Elastic File system, VPC, Route53, Cloud Watch, Cloud Trail, Cloud Formation.
* Setting up GCP Kubernetes cluster and Migrating applications gradually between Kubernetes deployments so that intra-cluster traffic is not affected.
* Written Terraform scripts to configure, execute and apply plans for version control with the help of AWS instances.
* Implemented high availability strategies, including Cross-Region Replication and AutoScaling, to ensure continuous availability and scalability of critical systems.
* Managed AWS infrastructure as code (IAC) using Terraform. Expertise in writing new python scripts in order to support new functionality in Terraform. Provisioned the highly available EC2 Instances using Terraform and cloud formation and Setting up the build and deployment automation for Terraform scripts using Jenkins.
* Highly experienced in writing Ansible playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks and run Ansible Scripts on AWS instances using Python.
* Troubleshooted production issues related to Java application performance and reliability.
* Developed and customized Fortify rules and filters to improve scan accuracy and reduce false positives.
* Implemented and deployed K8s clusters across multiple nodes using Ansible Playbook, ensuring efficient management and scalability.
* Proficiently resolved Load Balancing issues through in-depth troubleshooting, ensuring seamless performance and availability across distributed systems.
* Automated build and release pipelines for multiple microservices-based applications, enabling zero-downtime deployments and continuous integration with minimal manual intervention.
* Collaborated with development, QA, and operations teams to ensure seamless software delivery in Agile environments, using JIRA for defect tracking and RCA.
* Set up pipeline jobs for continuous integration and deployment, automating the build process, deployment to development and QA environments, and executing automated tests upon successful deployment.
* Used Kops to provision, configure, and manage Kubernetes clusters on AWS, ensuring high availability and scalability.
* Built end-to-end CI/CD Pipelines in Jenkins to retrieve code, compile applications, perform tests, and push build artifacts to Nexus and Deploy to orchestra changes across servers and components.
* Building and deploying Docker containers as well as modified Docker containers using Docker images from the Docker registry.

**DBS Bank Sep 2022 – Nov2024**

**Lead DevOps Engineer/Site Reliability Engineer**

**Responsibilities:**

* Working on administrating **Azure IaaS**, **SaaS**, and **PaaS** services such as Virtual Networks, Virtual Machines, Resource Groups, Express Route, Traffic Manager, Load **Balancer**, **Application Gateways**, Auto-Scaling and delegated existing Active Directory and Exchange users to Azure AD using **Azure AD Connect**, Active Directory Federation Service, DirSync tools, Azure service bus, **Azure** **DNS**, **Azure** **VPN** **Gateway**, and Notification hub.
* Used **Groovy scripts** and automated creating projects in **Jenkins** and **Nexus** repository as part of release process.
* Experience in working with monitoring tools like Azure App Insights, and Splunk to monitor thousands of metrics collected from servers and virtual machines in Azure.
* Monitoring application performance and infrastructure using Dynatrace, identifying bottlenecks and issues Also Used Dynatrace to analyze and troubleshoot performance problems, such as slow response times, resource overuse, and user experience issues.
* Implemented backup methodologies for **Azure** Services on location specific to integrate with Web-apps, Key Vault, Subscriptions, Storage blobs, App Services using **Azure** PowerShell Scripts. Created CI/CD Pipelines in **Azure** DevOps environments by providing the dependencies to run the pipeline jobs.
* Design & implement **migration** strategies for traditional systems on Azure (Lift and shift/Azure Migrate, other third-party tools)
* Integrated streaming data with Azure Functions and **Azure Data Factory**, automating ETL workflows to reduce latency and ensure accurate, timely data updates for reporting and analysis.
* Extracting and Transforming Load data from sources Systems to Azure Data Storage services using a combination of **Azure Data factory**, Azure Data Lake Analytics. Data ingestion to one or more Azure services (Azure Data Lake, Azure Storage, Azure SQL, Azure DW) and processing the data in Azure Databricks
* Built scalable ETL pipelines using **Azure Databricks** and Python for data processing, transformation, and validation across diverse data sources.
* 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.
* Managed Azure infrastructure as code (IaaS) using **Terraform IAC**. Expertise in writing new python scripts in order to support new functionality in **Terraform IAC**. Provisioned the highly available VMInstances using Terraform IAC and ARM and Setting up the build and deployment automation for Terraform IAC scripts using Jenkins.
* Responsible for application Build & Release process which includes Code Compilation, Packaging, Security Scanning and code quality scanning, Deployment Methodology and Application Configurations
* Worked on Azure Monitoring tools like **Azure Log Analytics**, **Azure Network watcher**, **Azure Service Health** to diagnose issues and minimize service degradation.
* Developed **job sequences** with conditional triggers and notifications for automated ETL execution.
* Worked on setting up **Azure** DevOps Instance for the project where I have configured **Azure Repos** for source code management, Boards for scrum calls, Pipelines for CI/CD and for integrating source codes GitHubs, artifacts and created deployment areas such as testing, pre-production, and production environment in Kubernetes cluster.
* Developed and maintained data orchestration workflows using Apache Airflow and Azure Data Factory, streamlining task execution and improving operational efficiency.
* Worked on Terraform IAC, to create, and maintain Infrastructure for Applications in Azure such as Azure App services, **Azure App Gateway**, **Azure** **Bastion** **service**, storage accounts along with building and automating CI/CD pipelines for various applications in **Azure** DevOps.
* Configured **Azure Kubernetes Service** (AKS) to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal used template driven deployment options such as **Azure Resource Manager** (ARM)templates and **Terraform IAC**.
* Implemented schedulers in java spring boot to rebalance digi portfolios after switching models up on customer retirement age change and on birth date, scheduled jobs to run on every midnight.
* Deployed **Event Grid** for decoupled communication between containerized microservices, enabling real-time status updates and fault isolation.
* Designed and implemented end-to-end ETL workflows using Azure Data Factory for data ingestion, transformation, and loading
* Configured V-net integration, Active directory, Encryption and security on **Azure** using ARM templates.
* Experience in Automating, Configuring and Deploying the Instances on **Azure environments** and in Data centers also designing **Azure Resource Manager** (ARM) templates.
* Implemented **Event Grid topics** and configured multiple subscriptions for different business use cases, ensuring reliable event delivery and redundancy.
* Integrated Kafka producers to push messages to respective topics and created new API calls to consume messages from these topics in Java spring boot application.
* Created Jenkins jobs that allow scheduled tasks to build on every subversion check-in. In **Jenkins** jobs, I wrote a Groovy script to conduct pre- and post-build tasks.
* Automated the provisioning the application deployment in PCF environment using tools like Terraform IAC, and CI/CD pipelines.
* Automated **Azure Virtual Machines, Azure Functions, and AKS** deployments using **Python** scripts and CI/CD pipelines
* Created a new **Azure Active Directory** (Azure AD) application and service principal that can be used with the role-based access control access to Azure Stack resources.
* Automated infrastructure provisioning for **Event Grid** and related services using Azure Resource Manager (ARM) templates and Terraform IAC.
* Involved in migration task from Jfrog Artifactory to Nexus artifactory.
* Implemented infrastructure on new AWS, Azure systems and migration of existing infrastructure to Azure and AWS Cloud platforms and automated using Terraform IAC, Cloud Formation Templates and modules.
* Experienced in resolving issues related to monitoring and instrumentation, such as data inaccuracies or missing metrics of the applications and integrating Dynatrace with other tools and systems such as incident management systems.
* Involved in designing and automating concept of project and version control tool migrations.
* Used Azure Container Registry to store docker images and **Azure Kubernetes** Service to deploy a managed Kubernetes cluster in **Azure** and created an **AKS** cluster in the Azure portal with the Azure CLI, also used template driven deployment options such as Resource Manager.

**AMN Healthcare Apr 2022 – Sep 2022**

**Senior DevOps Engineer /Site Reliability Engineer**

**Responsibilities:**

* Designed and configured Continuous Integration (CI) and Continuous Deployment (CD) pipelines for **Azure Databricks** notebooks, libraries, and jobs using **Azure DevOps**, Git, and Databricks REST APIs.
* Collaborated with the data engineering team to design and implement ETL workflows using Azure Data Factory and **Azure Databricks**.
* Analyze, identify, and architect solutions to meet the business and IT needs for public **cloud migration,** including incremental automation infrastructure as appropriate to speed delivery and exploit available synergies.
* Integrated **Azure Databricks** with Power BI to enable real-time data analytics and visualization, providing business insights to stakeholders.
* Created **Python** scripts for **Azure DevOps Pipelines** to automate build, test, and deployment processes.
* Worked on deploying the **Azure Kubernetes Services** (AKS) cluster by installing Kubernetes through CLI using ACR authentication and then configured and connected it to the cluster.
* Experienced in Using Jenkins to perform automated Deployments and builds on various environments using continuous integration tool Jenkins.
* Created Datadog synthetic tests to monitor critical user flows, and proactively detect application availability issues.
* Utilized Datadog APM to trace and analyze application performance, identifying and resolving performance issues that improved application responsiveness
* Working in identifying, diagnosing, and resolving issues related to **AKS pods** and **nodes**, including crash loops, failed deployments, node performance degradation, and pod scheduling conflicts.
* Managing networking challenges in **AKS** by configuring network policies, diagnosing DNS issues, and troubleshooting ingress and egress traffic problems to ensure secure and stable connectivity.
* As part of DevOps team, my role includes release management, Environment Management, deployments, Continuous integration, Continuous deployment and version management.
* Worked with application developers, vendors, and internal infrastructure team members to troubleshoot application system problems.
* Define and monitor KPIs (MTTR, SLA ,SLO)using Performance Analytics and operational dashboards.
* Developed Python scripts to trigger **Azure Functions** for automating CI/CD workflows in **Azure Repos and Jenkins pipelines.**
* Configured Azure Monitor and Azure Event Hubs to stream monitoring data to **Splunk** and **Kibana** to enable detailed insights into traffic patterns, performance metrics.
* Automated monitoring and logging of **Azure DataFactory** pipelines using Azure Monitor, Log Analytics, and alerts.
* Plan, deploy, monitor, and maintain **Microsoft Azure** cloud infrastructure consisting of multiple VM's.
* Creating Storage Pool and Stripping of Disk for **Azure** Virtual Machines. Backup Configure and restore Azure Virtual Machine using **Azure** Backup.
* Managed **Azure Active Directory** (AAD) to create Users, Groups, Service Principal names and created multiple Custom Roles. Used **AAD** for Single sign on, Authentication, Authorizations and **Azure Role-Based Access Control** (RBAC)
* Designed, configured and deployed **Microsoft Azure** for a multitude of applications utilizing the **Azure stack**(Including **Compute, Web &amp; Mobile, Blobs, Resource Groups, Azure SQL, Cloud Services, and ARM**),focusing on high-availability, fault tolerance, and auto-scaling.
* Developed Python automation for **role-based access control management**, enforcing security policies across Azure resources .
* Hand-on experience with SAST and DAST using tools like Fortify tools to detect vulnerabilities.
* Written **Terraform IAC scripts** to configure, execute and apply plans for version control with the help of **Azure.**
* Integrated Azure Data Lake, Blob Storage with ADF pipelines for efficient data processing.
* Designed, Installed, and Implemented **Ansible** configuration management system.
* Orchestrated serverless workflows by integrating Event Grid with Azure Functions, triggering automated responses to resource events
* Worked on data ingestion to one or more Azure services and processing the data in Azure Databricks.
* Used Ansible to orchestrate software upgrades and verify functionality.
* Good Exposure in **Azure Site Recovery** and **Azure Backup** and Configuring Azure Backup vault for protecting required VMs to take the VM level daily backups for **Azure** and On Premises Environment.
* Developed Build using **MAVEN** as build tool and used CI tools to move builds from one environment to other environments.
* Experienced in Using Jenkins to perform automated Deployments and builds on various environments using continuous integration tool Jenkins.
* Strong Experience on Administration and Troubleshooting of **Azure IAAS** Components (VM, Storage, VNET OMS, NSG, Site to Site VPN, RBAC, Load Balancers, Availability Sets)
* Experience in Automating, Configuring and Deploying the Instances on Azure environments and in Data centers also designing **Azure Resource Manager** (ARM) templates.
* Written Terraform IAC scripts to configure, execute and apply plans for version control with the help of AWS instances.
* Experience working in **Agile** Scrum Software Development methodology integrating with continuous integration and continuous delivery (CI/CD) environment for efficient software delivery solutions.

**Environment:** Terraform, Ansible, Kubernetes Service, Azure DevOps, Bit Bucket Linux, Shell Scripting, Jenkins, Docker**,** Jfrog Artifactory

**Marta Atlanta July2020 – Apr 2022**

**Senior DevOps Engineer**

**Responsibilities:**

* Extensively worked on **Jenkins** CI/CD pipeline jobs for end-to-end automation to build, test and deliver artifacts and troubleshoot the build issue during the Jenkins build process.
* Implemented continuous integration web hooks and workflows around **Jenkins** to automate the development and test environments to deploy workflow.
* Configured **Azure Kubernetes Service** (AKS) to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal used template driven deployment options such as Azure Resource Manager (ARM)templates and **Terraform IAC**.
* Created **Azure Kubernetes** Cluster with Namespace to deploy Dev, QA, UAT environments with in single Kubernetes cluster. Created one more **Kubernetes** cluster to deploy production environment.
* Used Azure Container Registry to store docker images and **Azure Kubernetes** Service to deploy a managed Kubernetes cluster in Azure and created an **AKS** cluster in the **Azure portal**, with the **Azure CLI**, also used template driven deployment options such as Resource Manager templates and Terraform IAC.
* Worked as bitbucket admin and granting the required permissions for the newly on-boarded users.
* Extract, transform and Load data from resources to Azure Storage services using **Azure Data Factory** and **Azure Data** Lake Analytics.
* Configured Datadog alerts and notifications to provide real-time visibility into application and infrastructure health, enabling rapid response to critical issues.
* Extensively worked on Jenkins, Docker for continuous integration and for end-to-end automation for all build and deployment.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Creating and maintaining fully automated CI/CD pipelines for code deployment using PowerShell
* As part of DevOps team, my role includes release management, Environment Management, deployments, Continuous integration, Continuous deployment, Incident management and version management.
* Creating custom dashboards, reports, and visualizations to track key performance indicators (KPIs)and providing recommendations for improving application and system performance based on insights gathered from **Dynatrace**.
* Well versed in managing source code repositories like **Azure repos**, **Git, GitHub, and bit bucket.**
* Build, manage, and continuously improved the build infrastructure for global software development engineering teams including implementation of build scripts, continuous integration infrastructure and deployment tools.
* Created a new **Azure Active Directory** (Azure AD) application and service principal that can be used with the role-based access control access to **Azure Stack** resources.
* Working with application developers, vendors, and internal infrastructure team members to troubleshoot application system problems.
* Experienced in installing and configuring **Dynatrace** agents on applications, infrastructure, and cloud environments.
* Working with system architecture and provides guidance to development teams and business lines on how to use the system.
* Utilized Splunk and **Dynatrace** for realtime monitoring, quickly identifying and resolving system issues, maintaining high system uptime and reliability.
* Creating and maintaining fully automated CI/CD pipelines for **code deployment using PowerShell.**
* Administration and maintenance **of Docker** runtime environment, Versioning and lifecycle management of Docker images, experienced in Dockers orchestration framework.

**Environment:** Terraform, Ansible, Kubernetes Service, AWS DevOps, Bit Bucket, Shell Scripting, Jenkins, Docker, Jfrog artifactory, Kafka, ServiceNow

**Accenture India Pvt. Ltd. Feb 2020 – June2020**

**Role: DevOps engineer**

**Responsibilities:**

* Implemented Agile best practices like Scrum/Kanban across the organization using Jira Agile boards and workflows.
* Creating AWS S3 buckets, performed folder management in each bucket, Managed cloud trail logs and objects within each bucket.
* Created CI/CD Pipelines in Jenkins environments by providing their dependencies and tasks. Also have experience on implementing and managing continuous delivery systems and methodologies on AWS and created END-END Automation.
* Automated Continuous Integration/Continuous Deployment with Jenkins, build-pipeline-plugin, Maven, Docker, GIT, setting up Jenkins master/slave to distribute builds on slave nodes.
* Involved in Planning, deploying, monitor, and maintain Amazon AWS cloud infrastructure consisting of multiple EC2 nodes and VM's as required in the environment.
* Worked as Jfrog Artifactory admin and providing access for the required team as per their request.
* Coordinating and supporting project branches merging process with source code control.
* Implemented AWS high-availability using AWS Elastic Load Balancing (ELB), which performed balance across instances in multiple availability zones.
* Implemented AWS Elastic Container Service (ECS) scheduler to automate application deployment in the cloud using Docker Automation techniques.
* Deploying Ansible modules to provision and manage AWS EC2 instances, volumes, DNS, and S3.
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3bucket, EBS and created AMIs for mission-critical production servers as backups.
* Installed and Configured Jenkins for Continuous Integration.

**Environment:** Terraform, Ansible, Kubernetes Service, AWS DevOps, Bitbucket, Linux, Shell Scripting, Jenkins, Docker

**IBC UM Health Aug 2018 – Feb 2020**

**Role: DevOps engineer**

**Responsibilities:**

* Experience on Amazon Cloud Computing web services like Elastic Compute cloud (EC2), Simple Storage Service (S3), and Virtual Private Cloud.
* Initiating Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and managing and configuring launched instances with respect to specific applications.
* Version control and source code management using the GIT.
* Installation and configuration of GIT, merging code from develop branch to master branch and make it ready for deployment.
* Installing Plugins in Jenkins as per project requirements.
* Installed Continuous Integration Server Jenkins as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Managing S3 buckets and bucket policies.
* Good exposure on advanced concepts like Auto Scaling and Load balancing.
* Designed DevOps workflow for multiple applications by orchestrating Test, Build, Release and Deploy phases through various CI/CD pipelines using Git, Jenkins, Docker, Ansible.
* Executing DB scripts in production database as per our project requirement.
* Carried Deployments and builds on various environments using continuous integration tool.
* Monitoring Cloud Trail and CloudWatch to analyze access and event logs.

**Environment:** Ansible, AWS, DevOps, Bitbucket, Git

**DSV Global Transport and Logistics Jan 2016 – Aug 2018**

**Role: DevOps engineer**

**Responsibilities:**

* Experience on Amazon Cloud Computing web services like Elastic Compute cloud (EC2), Simple Storage Service (S3), and Virtual Private Cloud.
* Version control and source code management using the GIT.
* Design and implement custom applications, modules, and workflows within ServiceNow.
* Installation and configuration of GIT, merging code from develop branch to master branch and make it ready for deployment.
* Worked on the monitoring activities like URL, Health check and log monitoring with respective tools.
* Installing Plugins in Jenkins as per project requirements.
* Installed Continuous Integration Server Jenkins as a service, configured the projects on Jenkins and automated the build, deployment and test execution on all the target platforms.
* Configured and monitored the scheduled builds and continuous builds using CI tool.
* Handle multiple builds from Development team, create build and perform deployment activities.
* Managing S3 buckets and bucket policies.
* Hands-on experience in writing or modifying the Ansible playbooks for configuration management, automation of routine maintenance tasks and deployment
* Good exposure on advanced concepts like Auto Scaling and Load balancing.

**Environment:** Jenkins, Ansible, Docker, AWS DevOps, Bit Bucket, Git

**Digit secure India Pvt Ltd Aug 2014 – Jan 2016**

**Role: DevOps engineer**

**Responsibilities:**

* Used Jenkins and automate build and deployment that reduced human error and speedup production process.
* Successfully created and maintained automation of CI/CD pipeline for code deployment using Jenkins while automating the deployment process, resulting in the 70% of automation work.
* Utilized version control systems such as GIT for tracking changes made to source code repositories over time.
* Installing Plugins in Jenkins as per project requirements.
* Used GIT as source code management tool, created local repo, cloned the repo, and performed add, commit, push, stash, branching, created tags operations. Defined branching, labeling and merge strategies for all applications in GIT.
* Developed and executed DevOps strategy to deploy software that improves application health and performance.
* Working on Jenkins plug-in management areas and implemented several CI / CD plug-ins like AWS EC2, build pipeline, Git, JUnit and pipeline plug-ins.
* Implemented continuous delivery pipeline involving Jenkins, Ansible to complete the automation from commit to deployment.
* Configuration of scheduled deployment routines within Ansible Tower for automated task execution.
* Implementing CI for several demanding consumer facing applications with bi-weekly releases with Jenkins.
* Designed AWS cloud formation templates to automatically provision AWS resources such as VPC, Subnets, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS to ensure successful deployment of web applications and database templates.

**Environment:** Jenkins, Ansible, DevOps, Git, AWS.