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PROFESSIONAL SUMMARY

- Dedicated Cloud/DevOps Certified Engineer with over 10 years of IT expertise, adept at managing server infrastructures and overseeing mission-critical, high-availability environments. Skilled in implementing DevOps practices, including Continuous Development, Continuous Integration (CI), and Continuous Deployment (CD), utilizing tools such as Git, Jenkins, Terraform, Ansible, Chef, Docker, Kubernetes, various scripting languages, and monitoring tools.
- Hands-on experience in Infrastructure Development and Operations involving AWS Cloud Services, EC2, EBS, VPC, RDS, SES, ELB, Auto scaling, CloudFront, Cloud Formation, Elastic Cache, API Gateway, Route 53, and Cloud Watch.
- Proficient in building CI/CD on AWS environment using AWS Code Commit, Code Build, Code Deploy, and Code Pipeline, with experience in AWS CloudFormation, API Gateway, and AWS Lambda.
- Transformed existing AWS infrastructure to Serverless architecture (AWS Lambda, AWS Kinesis) using AWS Lambda, API gateway, Route 53, and S3 buckets.
- Automated AWS services using Terraform scripts, covering ELB, CloudFront distribution, RDS, EC2, database security groups, Route 53, VPC, Subnets, Security Groups, and S3 Bucket.
- Managed Kubernetes services such as Azure Kubernetes, AWS Elastic Container Service, and EKS.
- Proficient in Docker technologies, including Docker Hub, Docker Engine, Docker images, Docker Weave, Docker Compose, Docker Swarm, and Docker Registry, with a focus on containerization for applications.
- Experienced in creating Docker images using Docker File, managing Docker volumes, and implementing Docker automation solutions for CI/CD models.
- Extensive experience in installing, configuring, and administrating Jenkins CI tool on Linux machines, utilizing Jenkins Pipelines for Microservices builds and deployments to Docker Registry and Kubernetes.
- Developed APIs using Kubernetes to manage and specify container copies, scheduled, deployed, and managed container replicas using Kubernetes, and deployed Docker containers through Kubernetes for microservices management.
- Configured monitoring and alerting tools such as Prometheus and Grafana, setting up alerts, and deploying multiple dashboards for individual applications in Kubernetes.
- Deployed and configured Elasticsearch, Logstash, Kibana (ELK), and AWS Kinesis for log analytics, and monitored servers using Nagios, Splunk, AWS CloudWatch, and Azure Monitor ELK.
- Possess strong working knowledge in Python, Bash/Shell, PowerShell, Ruby, Perl, JSON, YAML, and Groovy, with experience in developing scripts to automate administrative tasks and build/release processes.
- Professional in RHEL, with a solid technical background in Storage, Disk Management, Logical Volume Management (LVM), logical partitioning, administration of networking devices, and troubleshooting skills using networking protocols (DNS, TCP/IP, SMTP & SNMP).
- Proficiently implemented Azure Cloud Components, including Azure Data Factory, Azure Data Analytics, Azure Data Lake, Azure Data Docks, Azure Synapse Analytics, Azure Data Store, Azure SQL DB/DW, Azure Cosmos DB, Power BI, U-SQL, and T-SQL.
- Successfully submitted Spark jobs to HDInsight clusters, demonstrating expertise in Ambari and Yarn.
- Specialized in migrating databases to Snowflake and developing Azure Blob, SQL DB, and Windows/Linux virtual machines in Azure.
- Excelled as a Senior Cloud DevOps Engineer, demonstrating proficiency in Cloud platforms (Azure, AWS), DevOps, Configuration Management, Infrastructure Automation, and CI/CD.
- Applied effective strategies for N-Tier application development in both Cloud and On-premises environments.
- Expert in Architecting and Implementing Azure Service Offerings, 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, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus.
- Utilized Terraform modules and Ansible playbooks for infrastructure provisioning, with a focus on troubleshooting build, bugs, and infrastructure-related issues.
- Applied Kubernetes and Docker for container orchestration and deployment, alongside monitoring and alerting tools like Prometheus and Grafana.
- Collaborated effectively in distributed teams, delivering projects within short and large timeframes.
- Hands-on experience in Backup and restoring Azure services, as well as designing and configuring Azure Virtual Networks, subnets, DHCP, DNS, security policies, routing, Blob storage, Active directory, and Cosmos DB.
- Proficient in PowerShell scripting for Patching, Imaging, and Deployments in Azure.
- Expertise in Azure Site Recovery, Azure Backup, and CI/CD pipelines using Azure DevOps (VSTS, TFS) with GIT, MS Build, Docker, Maven, and Jenkins plugins.
- Experienced in deploying and optimizing .NET web applications on Azure DevOps, leveraging services such as Repos, Test Plans, App Service, and Azure Application Insight.
- Proficient in Azure Web Application, App Services, Azure storage, Virtual Machines, Fabric Controller, Azure Search, and Notification Hub.
- Successfully migrated on-premises DevOps platforms to Azure CI/CD processes using ARM templates, Azure DevOps, and App services.
- Proficient in IaaS, MS Azure, and Spinnaker technologies, bringing a comprehensive skill set in infrastructure development, cloud services, and continuous deployment practices.

Certifications:

- AWS solutions Architect
- Microsoft Azure Administrator
- Google cloud certified cloud engineer

Technical Skills Summary:

Operating Systems	Linux (Red Hat 4/5/6/7), Ubuntu 14/16/18, Windows NT 2000/2003, CentOS 6, 7, 8.
DataBaseSystems	Couchbase, MongoDB, Cassandra
IaaS (Infrastructure as a Service)	Terraform, Ansible, Chef, Puppet
Application Servers	Oracle Web Logic (8/9/10), IBM Web Sphere (5/6/7), JBOSS, Apache Tomcat.
Web Servers	Apache Tomcat, Nginx, WebSphere, WebLogic, JBoss, Samba, SQL Server.
Cloud Environments	Microsoft Azure, Amazon Web Services (AWS), Open Stack, Oracle, Azure Core
AWS Environment	EC2, S3, Lambda, RDS, VPC, IAM, CloudFormation, Route 53, CloudWatch, AWS CLI, ECS, EKS, SNS, SQS, DynamoDB, Kinesis, CloudFront, Direct Connect, Elastic Beanstalk, Glue, CloudTrail, CloudHSM, Redshift, Neptune, Aurora, Elasticache, Step Functions, Elastic Load Balancer (ELB), Auto Scaling, Cloud9.
Azure Environment	Virtual Machines, Blob Storage, Azure Functions, Azure SQL Database, Virtual Network, Azure AD, ARM (Azure Resource Manager), Azure DNS, Azure Monitor, Azure DevOps, Logic Apps, App Service, Key Vault, ExpressRoute, HDInsight, Cosmos DB, Service Fabric, AKS (Azure Kubernetes Service), Azure Container Instances, Cognitive Services, Azure Automation, Azure Logic Apps, Azure Traffic Manager.
GCP Environment	Compute Engine, Cloud Storage, Cloud Functions, Cloud SQL, VPC, IAM, Deployment Manager, Cloud DNS, Stackdriver Monitoring, BigQuery, Kubernetes Engine, Cloud Pub/Sub, Cloud Spanner, App Engine, Cloud IAP (Identity-Aware Proxy), Memorystore, Anthos, Cloud Composer, Cloud SCC (Security Command Center), Cloud Build, Cloud Dataprep,

	Dataflow, Cloud Storage Transfer Service, Cloud Dataproc, Cloud Filestore.
Automation Tools	Jenkins, Git Lab CI, Azure DevOps, Maven, Nexus, Spinnaker.
Version Control Tools	Git, GitHub, SVN, Bitbucket, Subversion, ECR.
Virtualization Platforms	VMware, VirtualBox, Citrix, Vagrant.
Networking Protocols	DNS, DHCP, FTP/TFTP, NFS, SMTP, TCP/IP, NIS, HTTP/HTTPS, WAN, LAN, Palo Alto, Cisco Routers/Switches
Containerization Tools	Docker, Kubernetes, Docker Swarm, OpenShift
Repository Management	JFrog, Nexus, Artifactory, Backstage.io
Performance Monitoring&Bug Tracking Tools	Azure Monitor, CloudWatch, Splunk, Grafana, ELK, Nagios, Jira.VMware ESXI, Vagrant, Dynatrace
Storage	Azure Storage, Azure Blob Storage, Azure Backup, Azure Storage Disks-Premium, Azure data lake storage Gen 1, AWS S3 Cloud Storage, AWS EBS, AWS Storage gateway, NetApp/EMC Storage, SAN.

Education details:
- ▪ Master of Science in Computer Science from University of Texas at Arlington, USA
- ▪ Bachelor of Technology from Gitam University, Visakhapatnam, India

Professional Work Experience:

Sr DevOps Engineer
Client: Samsung Electronics America, Plano, TX   **July 2022 to Jan 2024**

Responsibilities:

- ▪ Established and managed an AWS environment with high availability, utilizing features such as EC2, VPC, IAM, ELB, EBS, SNS, CloudWatch, S3, AMIs, snapshots, RDS, security groups, subnets, and Storage Gateway. Successfully migrated an on-premises VMware Data Center to AWS through Lift and Shift methods.
- ▪ Functioned as a DevOps Engineer within a team extensively utilizing proprietary and open-source tools like Jenkins, Gerrit, AWS, JIRA, Docker, Kubernetes, and Chef for the development and deployment of internal tools and programs.
- ▪ Monitored and maintained AWS S3 buckets containing build packets, each with metadata files crucial for flash testing. Configured and managed AWS Lambda functions triggered by Jenkins builds, storing results on S3 buckets. Implemented Route53 for traffic routing between regions, working with Security groups and Network ACLs.
- ▪ Integrated AWS DynamoDB with Lambda to trigger changes, created Cron jobs for daily batch data pulls, executed continuous integration tests using Jenkins, and backed up DynamoDB streams.
- ▪ Designed AWS CloudFormation templates for custom-sized VPCs, subnets, and NAT to ensure the successful deployment of web applications.
- ▪ Implemented Cloud Solutions using various AWS services including EC2, VPC, S3, Glacier, EFS, Kinesis, Lambda, Directory Services, CloudFormation, OpsWorks, CodePipeline, CodeBuild, CodeDeploy, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, and Redshift.
- ▪ Scheduled, deployed, and managed container replicas on a node cluster using Kubernetes, contributing to building the Kubernetes runtime environment for the CI/CD system.
- ▪ Acquired expertise in Private Cloud and Hybrid cloud configurations, patterns, and practices in both Windows Azure and Azure web and database deployments.
- ▪ Managed, maintained, supported, troubleshooted, and optimized Azure AD environments, suggesting adjustments and new system designs for future needs. Configured, integrated, and managed Azure AD Identities, Groups, App Registrations, and SSO services.

- Performed assessments on various environments, providing recommendations for system improvements and optimization. Resolved level 2 and 3 problems and issues related to Azure AD, demonstrating an in-depth understanding of Azure AD Identities, Security Groups, and Azure AD Roles.
- Developed and maintained documentation related to the client's Azure Active Directory environments.
- Implemented Jenkins as a service inside the Kubernetes cluster to minimize failover downtime and automate Docker container deployment without using configuration management tools.
- Installed and utilized Chef Server enterprise on-premises, created various Roles & Environments, and bootstrapped nodes using Knife command. Implemented an ELK (Elastic Logstash Kibana) system to monitor and search enterprise alerts, configuring ELK stack with AWS and using Logstash to output data to S3.
- Implemented and optimized AWS SageMaker for machine learning model development and deployment, integrating it seamlessly into the AWS environment with high availability. Utilized EC2, VPC, IAM, ELB, EBS, SNS, CloudWatch, S3, AMIs, snapshots, RDS, security groups, subnets, and Storage Gateway to support Sage Maker functionalities.
- Developed PowerShell scripts for project creation, setting permissions in TFS, and automation scripting in Python using Chef for deploying and managing Java and .NET applications across Linux and Windows servers.

Environment: Amazon Web Servers (AWS),EC2,OpenStack, Docker, Kubernetes, Chef, Ansible, Jenkins, Maven/ANT, GIT, Elasticsearch, Logstash and Kibana (ELK), JIRA, WebLogic, Apache Tomcat, MongoDB, Linux/RHEL, Vagrant, Active Directory, LDAP, VMWare Servers, Windows, PowerShell, Ruby, YAML, Kafka, Shell, Bash, Python, terraform.

DevSecOps Engineer Engineer
Client: Wipro – Austin, TX   **October 2021-June 2022**
Responsibilities:

- Utilized IAM for AWS and GCP to create roles, users, and groups, implementing Multi-Factor Authentication (MFA) for enhanced security across accounts and resources.
- Managed user accounts through IAM, RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS, and SNS services in both AWS and GCP.
- Facilitated the transformation and movement of large data volumes into and out of various AWS and GCP data stores and databases, including Amazon S3 and DynamoDB in AWS, and equivalent services in GCP, using EMR for AWS.
- Configured Route 53 as the Domain Name Service throughout the enterprise, establishing public and private interfaces for external clients and internal consumers in AWS, and similar DNS configurations in GCP.
- Implemented CloudFormation for AWS and equivalent orchestration tools in GCP, automating workflows across every layer (application, network, storage, monitoring, etc.).
- Deployed applications onto EC2 Servers in AWS and equivalent services in GCP with zero downtime, leveraging AWS Auto Scaling groups and equivalent tools in GCP, ensuring immutable application release life cycles.
- Transformed DevOps methodologies into a DevSecOps model by introducing security and vulnerability scans at different phases of DevOps, including clear text password scans during the build and packaging phase, and pre-provisioning and post-provisioning scans for IAC using tools like Terraform Enterprise (Sentinel) and equivalent frameworks in GCP.
- Implemented security standards in data management by applying a KMS encryption strategy for data at rest and SSL encryption layer for data in transit in both AWS and GCP. Developed a workflow for the DevSecOps operating model.
- Orchestrated and migrated CI/CD processes using CloudFormation and Terraform templates in AWS, and equivalent tools in GCP, containerizing the infrastructure using Docker set up in Vagrant. Employed Ansible to configure built resources and troubleshoot build issues with ELK.
- Managed Kubernetes charts using Helm in GCP, building reproducible Kubernetes application builds, managing Kubernetes manifest files, and Helm package releases.

- Managed Docker Containers, Kubernetes Clusters, Mesos, and implemented a production-ready, load-balanced, highly available, and fault-tolerant Kubernetes infrastructure on GCP.
- Created Jenkins jobs for deploying applications to the Kubernetes Cluster on GCP.
- Integrated Jenkins with Docker containers using CloudBees Docker Pipeline plugin to drive all microservices builds to the Docker Registry on GCP.
- Integrated Selenium automation regression test suite into the Jenkins build pipeline to prevent issues in production on both AWS and GCP.
- Automated AWS and GCP infrastructure through infrastructure as code, writing various Terraform modules and null resource scripts for creating IAM users, groups, roles, policies, custom policies, AWS Glue, Crawlers, Redshift clusters, snapshots of clusters, EC2, S3 buckets, and application deployments.
- Implemented AWS and GCP web application firewalls to monitor web requests forwarded to API Gateways and Application Load Balancers, enhancing the overall security model.
- Troubleshooted network issues using DHCP, DIG, DNS, SNMP, SMTP, Ethernet, IOS, netstat, NFS, NIS, nslookup, RIP, OSPF, BGP, TCP/IP, and tcpdump.

Environment: AWS, GCP, Azure, Jenkins, Ansible, Terraform, Docker, Kubernetes, AWS Security Hub, AWS Control Tower, Splunk, Redshift, Elastic Beanstalk, Maven, Nexus, Amazon ECS, Cloud Formation, Python, YAML, Bitbucket

AWS cloud engineer
Client: Capital one – Chicago, IL   **August 2018 - September 2021**
Responsibilities:

- Implement end-to-end infrastructure automation using AWS services such as Elastic Beanstalk, RDS Aurora, Lambda, S3, and Neptune through Terraform. Design and manage Terraform modules, ensuring the support of Dockerized application requirements.
- Introduce and enforce DevSecOps methodologies, incorporating security and vulnerability scans at different phases of the development life cycle. Apply security standards, including KMS encryption for data at rest and SSL encryption for data in transit.
- Utilize IAM for the creation of roles, users, and groups, implementing Multi-Factor Authentication (MFA) for enhanced security. Manage AWS services, including IAM, RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS, and SNS, ensuring optimal performance and security.
- Implement CloudFormation for AWS orchestration, automating workflows across various layers, such as application, network, storage, and monitoring.
- Orchestrate and migrate CI/CD processes using CloudFormation and Terraform templates. Containerize infrastructure using Docker, Helm, and Kubernetes, ensuring efficient deployment and scaling.
- Automate AWS infrastructure through infrastructure as code, creating Terraform modules and scripts for AWS IAM, Glue, Crawlers, Redshift clusters, EC2, and S3.
- Implement AWS web application firewalls for effective monitoring of web requests and enhanced security. Troubleshoot network issues using various tools and protocols, ensuring seamless operations.
- Collaborate with cross-functional teams, integrating Jenkins, Docker, and Ansible for streamlined development, testing, and deployment processes.
- Provide expertise in Private Cloud and Hybrid Cloud configurations, patterns, and practices in Windows Azure.
- Design solutions adhering to cloud best practices, optimizing performance, and ensuring cost-effectiveness. Conduct assessments on various environments, providing recommendations for system improvements and optimization.
- Maintain documentation related to cloud environments, ensuring knowledge transfer within the team.
- Implement logging, monitoring, and alerting using CloudWatch, SNS, and other AWS services to ensure system reliability and uptime. Set up dashboards and alerts to monitor key metrics.
- Architect and optimize AWS infrastructure for high availability, fault tolerance, and scalability. Utilize services like Elastic Load Balancing, Auto Scaling Groups, and Amazon CloudFront.
- Migrate legacy workloads to the AWS cloud, determining migration strategy and executing smooth transitions. Decommission on-premises data centers when migration complete.

- Leverage AWS managed services like RDS, ElastiCache, and Lambda to reduce administrative overhead. Balance managed services with provisioning own resources.
- Implement governance policies, tagging standards, and access controls aligned to regulatory, corporate, and data sensitivity requirements.
- Drive automation testing using tools like Selenium to reduce defects and manual testing time.
- Work closely with security and compliance teams to build and validate infrastructure within regulatory guidelines.
- Mentor and train team members on AWS best practices, cloud architecture patterns, security, compliance, and devops processes.
- Proactively research and evaluate new AWS platform features and services for integration into infrastructure.
- Collaborate with developers and SREs to understand application requirements and translate into secure, scalable infrastructure.

Environment: AWS, Terraform, Docker, Helm, Kubernetes, CloudFormation, IAM, RDS, Route 53, VPC, RDB, DynamoDB, SES, SQS, SNS, AWS Security Hub, AWS Control Tower, Jenkins, Ansible, Splunk, Redshift, Elastic Beanstalk, Maven, Nexus, Amazon ECS, Python, YAML, Bitbucket

Sr Azure Cloud DevOps Engineer
Client: Intuit – San Diego, CA   **November 2016– July 2018**
Responsibilities:

- Configured AZURE Virtual Appliances (VMs) to align with security requirements, serving as software-based appliance functions such as firewall, WAN optimization, and intrusion detection.
- Established TFS VNext Build agents and Pools, configuring appropriate Build Agent capabilities.
- Implemented TeamCity and Octopus build tools and integrated them with TFS.
- Developed shell scripts (Bash), Ruby, Python, and PowerShell for task automation.
- Automated Weekly releases using ANT/Maven scripting for Compiling Java Code, Debugging, and Placing Builds into Maven Repository.
- Possessed an in-depth understanding of Azure AD Identities, Security Groups, and Azure AD Roles.
- Had experience with Azure App registrations, SAML SSO, Azure Active Directory Connect, and Azure Portal Administration.
- Demonstrated knowledge of Office 365 Management Suite and PowerShell.
- Proficiently used Windows applications and Microsoft Office programs, including MS Project, Word, Excel, and PowerPoint.
- Worked with Azure Active Directory and Azure Managed Service Identity.
- Configured VM's availability sets using the AZURE portal to provide resiliency for IaaS-based solutions and scale sets using AZURE Resource Manager to manage network traffic.
- Designed IaaS and PaaS solutions for new clients transitioning from on-site infrastructure to the cloud.
- Implemented Micro-services using Pivotal Cloud Foundry (PCF) platform built upon Spring Boot Services and created workflows on TeamCity for setting up automated pipelines for CI/CD with PCF.
- Built, implemented, and maintained hardware and software infrastructure to host TFS as a SaaS solution.
- Implemented a production-ready, load-balanced, highly available, fault-tolerant Kubernetes infrastructure.
- Designed and deployed best SCM processes and procedures.
- Utilized Puppet for automating Configuration management and managing Web Applications, Configured Files, Database, Commands, Users Mount Points, and Packages.
- Managed local deployments in Kubernetes, creating local clusters and deploying application containers.
- Used JAXB 2 for OXM (Object XML Mapping) and Jackson to parse JSON.
- Exposed Virtual machines and cloud services in the VNets to the Internet using External Load Balancer.

- Possessed extensive experience in Windows AZURE (IaaS), including creating AZURE VMs, storage accounts, VHDs, storage pools, migrating on-premise servers to AZURE, and creating availability sets in AZURE.
- Implemented DevOps Practice for Micro Services using Kubernetes as Orchestrator.
- Implemented and Managed multiple MS-SQL Database clusters with synchronized database replication.
- Followed best practices when writing Container-Enabled Roles in Ansible.
- Configured Docker containers and created Docker files for various environments, working in a Kubernetes environment.
- Exported Requirements, test plans, and test cases to TFS.
- Built and Installed servers through AZURE Resource Manager Templates (ARM).
- Created codebooks in Ansible using Java, Python, and Shell scripts.
- Had hands-on experience with configuration management using Ansible and Chef.
- Developed a program connecting Bitbucket issues and to-do list tasks to update each other.
- Administered Jenkins for Continuous Integration and deployment into Apache Tomcat/Web Sphere Application Servers.
- Created and maintained various DevOps-related tools for the team, such as provisioning scripts, deployment tools, and staged virtual environments using Docker.
- Developed scripts for build, deployment, maintenance, and related tasks using Jenkins, Docker, Maven, Python, and BASH.
- Developed a web service using Windows Communication Foundation and .Net to receive and process XML files and deploy on Cloud Service on Microsoft Azure.
- Developed the parser for reading and processing Ontology (OWL) files.
- Updated kernel & security patches in Amazon Linux environment, handling out-of-memory issues in Linux kernels during rebalance.
- Created Prometheus-Grafana setup using Terraform/Ansible for various targets like Spark, MySQL, node exporters, etc.
- Experienced in migrating on-premises to Windows Azure using Azure Site Recovery and Azure backups.
- Had experience with Docker, Kubernetes, and microservices in general.
- Possessed extensive experience in JIRA for creating bug tickets, storyboarding, pulling reports from the dashboard, creating and planning sprints.
- Designed data models and created the schema on SQL Azure.
- Experienced in Custom Process design of Transformation via Azure Data Factory & Automation Pipelines.
- Deployed and Maintained Windows phone applications on Azure cloud technologies.

Environment: Microsoft Azure (IaaS&PaaS), Jenkins, JIRA, Subversion, AWS Cloud, Puppet, JBoss, MySQL, PostgreSQL, OpenStack, Apache, Nginx, FTP, Splunk, Docker, HTML, HTML5, OWASP, CSS3, Bootstrap, Code igniter, Adobe Fireworks and Sublime Text, Ansible.

Sr Cloud Solutions Architect
Client: Charter Communications - Saint Louis, MO   **January 2014 - October 2016**

Responsibilities:

- Developed capacity and architecture plans to establish the Azure Cloud environment for hosting the migration of IAAS VMs and PAAS role instances, enhancing the performance of refactored applications and databases. Established connectivity from Azure to the on-premises data center using Azure ExpressRoute for Single and Multi-subscription connectivity.
- Provided recommendations on replicating a subset of on-premises machines to the Azure Infrastructure as a Service (IAAS) offering for disaster recovery. This included synchronizing on-premises data with SQL Server and SharePoint instances hosted in VMs.
- Utilized Azure Site Recovery and Azure Backup to deploy instances on Azure environments and migrate data centers to Azure. Collected data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.

- Configured Azure Multi-Factor Authentication (MFA) as part of Azure AD Premium for secure user authentication. Created custom Azure templates for quick deployments and advanced PowerShell scripting. Deployed Azure SQL DB with Sync to a standby database in another region and failover configuration.
- Managed and maintained Azure Infrastructure, including Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup, and Recovery from a Recovery Services Vault using Azure PowerShell and Azure Portal.
- Implemented Azure Role-based Access Control (RBAC) to segregate duties within the team and grant limited access to users as needed.
- Developed Templates for Azure Infrastructure as code using Terraform for building staging and production environments. Integrated Azure Log Analytics with Azure Virtual Machines for monitoring logs, storing them, and tracking metrics using Terraform. Managed multiple infrastructure resources like Cloud, VMware, and Docker containers.
- Implemented Azure Active Directory for single sign-on access to cloud SaaS applications like Office 365, Dropbox. Worked as a cloud Engineer, 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.
- Created ARM Templates for Azure Build and Automation. Deployed Azure Resource Manager JSON Templates from PowerShell.
- Worked on Azure suite including Azure SQL Database, Azure Data Lake, Azure Data Factory, Azure SQL Data Warehouse, Azure Analysis Service.
- Worked on Site-to-site and Point-to-Site VPNs, Virtual Networks, Network Security Groups, Load balancers, Storage Accounts. Configured RBAC and Azure Monitor for adding security in Azure Cloud and Network Security Groups for Subnet and NIC level for Azure Virtual Machine.
- Expert on Serverless services, created and configured HTTP Triggers in the Azure Functions with application insights for monitoring and performing load testing on the applications using the Visual Studio Team Services (VSTS) also called as Azure DevOps Services.
- Worked with Version Control, Build & Release management, and deployments of solutions to DEV, QA & PROD Environments leveraging Azure DevOps/VSTS principles/process (CI/CD) and toolsets of Visual Studio, AKS (Azure Kubernetes Service), Application Insights, Log Analytics.
- Deployed and optimized two-tier Java, Python web applications to Azure DevOps CI/CD to focus on development. Used 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.
- Worked on PowerShell Script to automate Windows patching and created the release in Azure DevOps pipeline.
- Deployed Windows Kubernetes (K8s) cluster with Azure Container Service (ACS), Azure CLI, and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy. Worked on OpenShift for container orchestration with Kubernetes container storage.
- Used Ansible for creating multiple playbooks for Resource creations and SQL server, cluster server, and my SQL installations.
- Used Ansible to Setup/teardown of ELK stack (Elasticsearch, Logstash, Kibana) and troubleshoot build issues with ELK and work towards effective solutions.
- Managed Kubernetes charts using Helm, created reproducible builds of Kubernetes applications, Managed Kubernetes manifest files, and Managed releases of Helm packages.
- Implemented Docker-maven-plugin in Maven pom.xml files to build Docker images for all microservices and later used Docker files to build Docker images from the Java jar files.
- Designed, wrote, and maintained systems using Python scripting for administering GIT, through Jenkins as a full cycle continuous delivery tool, involving package creation, distribution, and deployment onto Tomcat application servers via shell scripts embedded into Jenkins jobs.
- Maintained Artifacts in binary repositories using JFrog Artifactory and pushed new Artifacts by configuring the Jenkins project using Jenkins Artifactory plugin.
- Worked on Jira as a defect tracking system and configured various workflows, customizations, and plugins for Jira bug/issue tracker. Integrated Jenkins with Jira, GitHub.
- Worked with Nagios for Azure Active Directory and LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers, added new services & servers,

and built and managed a highly available monitoring infrastructure to monitor different application servers like JBoss, Apache Tomcat and its components using Nagios.

Environments: Azure, PCF, Office 365, Terraform, Maven, Jenkins, Ansible, EC2,S3, Azure ARM, Azure AD, Kubernetes, Python, Ruby, XML, Shell Scripting, PowerShell, .Net, Nexus, JFrogArtifactory, Git, Jira, GitHub, Docker, Windows Server, TFS, VSTS, LDAP, Nagios, Splunk.