**Manik Damarakonda**

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**PROFESSIONAL SUMMARY**

* Around 9 Years of experience in IT industry as DevOps Engineer, AWS Engineer, Google Cloud Platform DevOps Engineer, Systems Administration, Linux Administrator providing better solutions in the areas of cloud, CI/CD Pipeline, QA, Build and Release management, AWS/Azure and Linux/Windows Administration and Software Configuration Management (SCM).
* Experienced in working on DevOps/Agile operations process and tools area (code review, unit test automation, Build & release automation, Environment, Service, Incident, and change Management) and specializing in Agile, Continuous Integration (CI), Continuous Delivery (CD).
* Has good experience with Google Cloud Platform Core Services like Compute Engine, App Engine, Storage, Networking, Datastore, VMware (vSphere, etc.), VE (Google VMware Engine).
* Worked closely with Application Development teams to build and adopt their own CI/CD pipelines.
* Experience in web-based software development w/ REST APIs, micro services, and SRE skills.
* Worked with Site Reliability team along with monitoring, reporting cloud platform and applications status (instances, health, reliability, etc.) and building third party build, integration, test and monitoring tools.
* Hands on experience within a Site Reliability Engineer (SRE) model and running Linux-based Docker containers.
* Experience in Designing, Architecting, and implementing scalable cloud-based web applications using AWS and GCP.
* Experience in using Amazon EC2 command line interface along with Bash/Python to automate repetitive work.
* Experience working on SAFe framework for faster time-to-market, greater flexibility and agility, improved collaboration, and communication across teams.
* Knowledge on Setting up GCP Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used GCP cloud CDN (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Experienced in Microsoft Azure Pipeline implementing and Monitoring of CI and CD Pipelines.
* Optimized the end-to-end process of developing, deploying, and managing machine learning models with the help of ML Ops (Machine Learning Operations) tools.
* Proficient and experienced in AWS Cloud platform and its services such as EC2, S3, EBS, AMI, VPC, SNS, RDS, Cloud Watch, Cloud Trail, CloudFormation, Lambda, Beanstack, Autoscaling, Cloud front, IAM, S3 and good knowledge on Amazon Kinesis firehose. Also experienced in supporting 24x7 production environments and providing on-call and weekend support.
* Utilized the ability of cloud watch to monitor resources such as CPU memory, Dynamo DB tables, EC2, to set alarms for notifications or automated actions, Amazon RDS DB Services, and to monitor logs for a better understanding and operation of the system.
* Experience in architecting cloud native CI/CD workflows and tools such as GitHub Actions, Azure DevOps, TeamCity, or GitLab.
* Experience with container technologies and orchestration layers (Docker, Kubernetes, Mesos, etc.).
* Experience managing lifecycle of Istio Service Mesh (Community Edition) or equivalent service mesh technology.
* Experience in building and managing Kubernetes clusters in AWS (EKS)
* Experience in supporting containerized workloads – Docker, EKS, Kubernetes
* Installed and Setup Web servers (Apache and Tomcat), DB Server (My SQL).
* Experience in setting up deployment procedures and processes (Maven, Jenkins, Puppet, etc.).
* Experienced in disk management using SAN, NAS, iSCSI, and other related protocols.
* Experience in Site Reliability, creating APIs, Prometheus, Grafana, and microservices.
* Experience in monitoring, tracing, and logging tools like AppDynamics, Zipkin, ELK stack.
* Experience in developing microservices using Groovy for CI/CD automation.
* Experience in data modelling, ELT using Snowflake SQL, implementing complex stored Procedures and standard DWH and ETL/ELT concepts.
* Experience with DevOps Change Management, used to make changes like small increments and tested thoroughly before being deployed into production.
* Experience in monitoring and managing IT operations in real-time by using ActiveBatch.
* Managing Amazon Web Services infrastructure with automation and configuration management tools such as Chef, Puppet or custom-built.
* Expertise in Maintenance of Source Control Management Systems such as GIT and Subversion, strong experience with Continuous Integration and Continuous Deployment methodologies with GIT, Jenkins, SonarQube and Nexus repository.
* Experience on scripting languages like Shell, Perl, Python, PowerShell, Ruby, and Bash. Ability in development and execution of XML, Shell Scripts and Perl Scripts.
* Experience in API based architecture, Prometheus, Grafana, and Data stores (Snowflake).
* Experienced in creating executive and operational dashboards using Grafana and instrumenting targeted Alerts from Grafana for operations.
* Skilled with Linux Utilities: Kickstart, SSH, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and Swap Partition/Files Management.
* Experience on RabbitMQ implementation on Kubernetes platform Openshift.
* Mitigating On-premises infrastructure to cloud platforms like AWS and involved in virtualization using (VMware), open stacks and infrastructure orchestration using containerization technologies like Docker, Kubernetes and OpenShift.
* Experience in using Multi-tenant Kubernetes to host multiple applications for different teams and provide Kubernetes as a service to multiple clients.
* Experience with application monitoring (New Relic, AppDynamics)
* Experience with test-driven development, distributed systems, microservices and cloud-native application implementation.
* Experience in integrating Apache Airflow with cloud services like Amazon Web Services, Google Cloud Platform, and Microsoft Azure.
* Created reusable Terraform modules in both Azure and AWS cloud environments.
* Expertise in writing new plugins to support new functionality in Terraform.
* Managed infrastructure by using IaC in all three different cloud environments - Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) I use to create, manage, and then delete the infrastructure resources by using APIs.
* Experienced in mitigating On-premises infrastructure to cloud platforms like AWS and involved in virtualization using (VMware), open stacks and infrastructure orchestration using containerization technologies like Docker and Kubernetes.
* Supported the TechOps team, documenting their progress, and developing their innovative infrastructures.
* Working experience with Rancher for deploying and managing Kubernetes clusters.
* Working experience with Hybrid cloud architecture to handle spikes in workload demands, disaster recovery, data analytics to store data in a private cloud and process in public cloud.
* Experienced in using Build Automation tools like ANT, Maven and working knowledge on other build tools like make file.
* Designed project workflows/pipelines with Continuous Integration Tools like Jenkins.
* Working experience with Splunk Observability used to monitor and analyse the performance of cloud applications.
* Experienced with monitoring tools and frameworks such as Splunk, Elasticsearch, Prometheus, and AppDynamics

**TECHNICAL SKILLS**

**Version Control:** Git, Perforce, GitHub, Gila, Stash, and Subversion.

**Integration:**  Jenkins, Hudson, Cruise Control, Build Forge, build, Bamboo, Atlas, and TeamCity

**Cloud Technologies:**  AWS, Azure, Google Cloud Platform (GCP)

**Installer & Packaging**:  Install Anywhere, Install Shield, Wise Installer/ Studio and Linux RPM

**Configuration Management**:  Ansible, Chef and Puppet

**Build Tools:**  Maven, Gradle, Ant, Make and MS Build

**Scripting:**  Perl, Ant, Maven, Shell Scripting, and Python

**App Servers:**  HTTP, Tomcat, WebSphere, Apache, Nagios, Jobs, IIS 6.0

**Quality & Security:**  SonarQube, Find Bugs, Ashcan, Covert, Clover, Coverture and Jacopo

**Virtualization:**   VMware WorkStation, Oracle Virtual box and VSphere

**Others:**  Joomla, Nexus, Art factory, Egg, Bugzilla, JIRA, Photoshop, and Wiki

**Operating System**:  RHEL, Windows, Linux, Ubuntu, Solaris, and Mac OS X

**Languages:** Java, Perl, Ruby, HTML, Core and Microsoft .NET, CSS Databases: MySQL 5, Oracle, PL/SQL

**PROFESSIONAL EXPERIENCE**

**Partners Healthcare International, Remote**

**Azure DevOps Engineer Jul 2022 – Present**

**Responsibilities:**

* Administrated and operated infrastructure on an Azure public and private cloud (Cloud networking, monitoring, and cost optimizations).
* Performed Configuration of Azure Web Apps, App services, Application insights, Azure DNS, Azure Network Watcher and Implementing Azure site recovery, Azure stack, Backup and Automation.
* 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.
* Worked on Azure Site Recovery and Azure Backup - Deployed Instances on Azure environments and in Data centers and migrating to Azure using Azure Site Recovery and collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Implemented various resources in Azure using Azure portal, PowerShell on Azure Resources Manager deployment models.
* Managed on-premises infrastructure with the help of Infrastructure as code (IaC), like physical servers and network equipment, using tools like Puppet and Chef.
* Deployed Infrastructure as code applications using ARM Templates (JSON).
* Extensive experience in Windows AZURE (IaaS) migrating like creating AZURE VMs, storage accounts, VHDs, storage pools, migrating on premise servers to AZURE and creating availability sets in AZURE.
* Implemented CI/CD pipeline using Nexus, bitbucket and groovy to develop and deploy applications in a continuous delivery and reduce manual intervention in the deployment process. Also, deployed application to upper laned by CICD automation using ansible tower and delivered the high-speed deployments for the application team and business. Also assisted and worked in different sub-projects, end to end CI-CD setup for technologies like .NET, database, Informatica, Python, SQLLDR technologies.
* Configured, monitored, and automated Google Cloud (GCP) Services as well as involved in deploying the content cloud platform using Google compute engine, Google storage buckets.
* Created Google storage buckets and maintained and utilized the policy management of these buckets and Glacier for storage and backup on Google cloud (GCP). Also Configured a Google cloud Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources.
* Built GCP cloud with Cloud Armor protecting DDOS and acting as WAF, Cloud DNS, GCP Cloud Endpoints for proxying the APIs traffic as a Gateway, worked with GCP Cloud Load Balancing in routing the traffic to Cloud routers with private subnets.
* Working experience with Harness framework to automate the building, testing, and deployment.
* ETL optimization, designing, coding, and tuning big data processes using Apache Spark or similar technologies.
* Installing and administrating monitoring tool (Nagios) and managed with administered like JIRA/Confluence/Jive add-ons, plugins, and extensions.
* Experience in designing and maintaining dashboards using Nagios Enterprise monitoring tool which is used for Resource Monitoring/Network Monitoring/Log Trace Monitoring.
* Used 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.
* Automated the infrastructure deployments across the platform by creating Azure resource Manager Templates (IaC), PowerShell Scripts, Python and Azure DevOps.
* Wrote Python code to upload a file to Azure Blob Storage, and to send and receive message from Azure Service Bus.
* Used ADF visual interface for building data pipelines, and to integrate wide range of data sources, including Azure Blob Storage, Azure SQL Database, and Azure Data Lake Storage.
* Stored and manage cryptographic keys, secrets, and certificates used by cloud applications and services by using AKV (Azure Key Vault).
* Used cloud management tools for managing the hybrid cloud environment, including workload placement, cost optimization, and security.
* Experience in Observability & SRE principles, SLI, SLO and SLA definition and management.
* Deployed and managed containerized applications across multiple environments, including cloud, on-premises, and hybrid deployments by using Rancher.
* Integrated Argo CD with Azure DevOps through a webhook and then configured the webhook in Azure DevOps to trigger Argo CD whenever there is a new deployment.
* Deployed and managed applications on Kubernetes clusters with Argo CD, and to ensure if the actual state of the application matches the desired state defined in the Git repository.
* Designed and built CI CD pipelines to deploy Rabbit MQ cluster on Openshift
* Managed Kubernetes charts using Helm, and created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and managed releases of Helm packages.
* Created and managed Redis cache instances in the cloud and used multiple Redis database instances, automatic failover, and backup and restore capabilities.
* Wrote Complete Infrastructure as a code from scratch using Terraform and CloudFormation.
* Deploy AWS CloudFormation stacks from within Azure Pipelines by using CloudFormation templates with Azure Pipelines and AWS Toolkit.
* Used Kubernetes to manage containerized applications using its nodes, Config-Maps, selector, Services, and deployed application containers as Pods.
* Optimized server resources and automated virtual server migration using tools like Ansible, Terraform, and Kubernetes.
* Worked with RedHat Linux, configuration management using Ansible and Chef. Support as part of DevOps team to help deployment using Jenkins and TeamCity.
* Troubleshoot the network issues involving TCP/IP, LAN/WAN networking, DNS, DHCP, SMTP, SNMP, netstat and monitored the servers and Linux scripts regularly and performed troubleshooting.

**Environment:** Azure, OpenShift, Terraform, Jenkins, GCP, NetApp, Ansible, docker, Kubernetes, Artifactory, Git, Bash, Python, shell, PowerShell, Linux.

**Fidelity Investment, Durham, NC**

**AWS Cloud & DevOps Engineer Sep 2021 – Jun 2022**

**Responsibilities:**

* Involved in designing and deploying large applications utilizing almost all the AWS stack (Including EC2,  
  Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high availability, fault tolerance, and auto-scaling in AWS CloudFormation.
* Monitored and managed the cloud infrastructure within AWS and Google cloud infrastructure. Configured the AWS DNS to route the traffic between AWS and GCP configured each tenant on the platform.
* Worked on AWS CloudWatch, CloudFormation, Cloud Trail services and CloudFront to setup and manage cached content delivery. Created Elastic load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
* Integrated AWS Dynamo DB using AWS Lambda to store the values, items, and backup the Dynamo DB  
  streams and implemented CloudFormation modules for deployment of applications across multiple cloud providers.
* Used JSON and YAML formatted files from AWS CloudFormation templates to describe the AWS resources and configurations required for the infrastructure.
* Written some Templates for GCP infrastructure as a code using Terraform to build staging and production environments and automated infrastructure provisioning occasionally with Terraform and Packer and even automated the image build process using Packer.
* Used Terra grunt to run terraform scripts to automate instances for EC2 instances that were launched manually before.
* Used Argo CD for security and compliance features such as RBAC (Role-Based Access Control) and audit logs, to manage access to the deployment process and track changes made to the system.
* Managed microservices deployed on Kubernetes clusters, defined the desired state of the microservices in a Git repository and automatically deployed updates to the cluster by using Argo CD.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT/Bitbucket and Ansible.
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Working experience with Harness CI/CD, used for complete continuous delivery solution to automate the process of deploying software to production.
* Worked experience with Apigee Developer Portal and used to support and deploy API policies using Apigee Edge Platform.
* Implement rate limiting for APIs and other services to prevent abuse and ensure fair usage by using Redis.
* Developed Micro-service Architecture Application and used Kubernetes, Amazon EKS and Docker-swarm for orchestration.
* Managed AWS infrastructure as code using Terraform.
* Involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Created a shared Amazon EKS cluster and use Kubernetes namespaces to isolate workload and provided access control to use multi-tenant Kubernetes on AWS.
* Used ActiveBatch to automate data processing and analytical tasks, including ETL (Extract, Transform, Load) processes and reporting.
* Configured and deployed instances on GCP environments and Data Centers and building/maintaining Docker container clusters managed bypr, Bash, Git, Docker on GCP (Google Cloud Platform).
* Experienced in implementing observability and monitoring in AWS with Splunk or ELK or similar tools.
* Creating cookbook for provisioning servers like Jenkins, Splunk and Chef-server.
* Scaling SaaS solutions and built SaaS applications using Python and frameworks such as Django & Flask.
* Created functions and assigned roles in AWS Lambda to run python scripts, and AWS Lambda using java to perform event driven processing. Created AWS Lambda jobs and configured Roles using AWS CLI.
* Installed, maintained, and upgraded REDHAT Linux Server using kick start-based network installation.
* Automate the deployment and scaling of machine learning models by using ML Ops tools such as Docker, Kubernetes, and Serverless computing platforms to manage their infrastructure and reduce the time required for deployment.
* Implemented the cloud management platform to provide a unified view of the entire hybrid cloud environment and manage workloads across both public and private clouds.
* Worked on Rancher tools for monitoring and troubleshooting, and it's security features, including RBAC (role-based access control), network policies, and image scanning.
* Experienced with JSON based RESTful web services, and XML based SOAP web services.
* Experienced in installing applications on Docker containers. Created Docker volumes in Docker to share data among multiple running Docker containers.
* Worked on creating Docker containers and Docker consoles for managing the application lifecycle and  
  worked on setting up the automated build on Docker HUB.
* Experience with Splunk Observability tools and services like Splunk Infrastructure Monitoring, Splunk APM, Splunk Real User Monitoring, Splunk Log Observer and Splunk Synthetic Monitoring.
* Used Splunk Infrastructure Monitoring to monitor the performance of containers, and Kubernetes clusters.

**Environment:** AWS, Terraform, Docker, Jenkins, Git, Nagios, CentOS, Kubernetes, Java, Maven, ELK, Shell, Bash, Python, Tomcat, Linux, VMware, Splunk.

**Bright house Financial, Morristown, NJ**

**DevOps Engineer Aug 2020 – Sep 2021**

**Responsibilities:**

* Implemented AWS solutions using EC2, S3, AWS Lambda, RDS, IAM (Identity and Access management), Route 53, Elastic search, Cloud front, EBS, Elastic Load Balancer, Auto scaling groups, Optimized volumes and EC2 instances using API Gateway.
* Good knowledge of AWS services like Glacier, ELB (Load Balancers), RDS, SNS, SWF and hands on experience on Amazon Web Services (AWS) provision.
* Created a text editor in the AWS Management Console with the help of AWS CloudFormation templates and also shared between teams.
* Developing the Python automated scripting using Boto3 library for AWS Security audit and reporting using AWS Lambda for multiple AWS Accounts.
* Implemented Big Data ETL streaming pipeline to migrate transactional data to AWS Cloud using AWS Kinesis Event Streaming Platform, Stream sets, AWS EMR.
* Managed the deployment of applications across multiple EKS clusters in different regions with its own Git repository by using Argo CD to deploy the application to the correct region based on the Git repository being used.
* Worked in Splunk GUI development creating Splunk apps, searches, Data models, dashboards, and Reports using the Splunk query language.
* Building Splunk queries by Splunk Search Processing Language (SPL) and Regular expressions.
* Identified and troubleshooted performance issues in applications and trace the flow of requests across multiple services and microservices by using Splunk APM.
* Used to establish a clear change management process which includes a defined workflow for making changes, documenting changes, and communicating changes.
* Administration and maintenance of Docker runtime environment, versioning, and lifecycle management of Docker images, also expertise in Docker orchestration framework.
* Managed installing applications on Docker containers. Created Docker volumes to share data among multiple running Dockers containers.
* Worked on docker hub, creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Managed container infrastructure by using Infrastructure as code (IaC), such as Docker containers and Kubernetes clusters to deploy containerized applications.
* Did virtual server migration to optimize the infrastructure by moving virtual servers to more efficient and cost-effective environments, migrated from on-premises servers to cloud-based infrastructure.
* Installed the Apigee Edge and monitored the gateways, Developed REST APIs with authentication using Django as a platform.
* Wrote recipes and Cookbooks and uploaded them to Chef – server, Managed On – site OS/Applications/services/Packages using Chef as well as AWS for EC2/S3/Route53 & ELB.
* documented for Chef best practices to be used by developers as a guide to Chef Automation.
* Production experience in large environments using configuration management tools like Chef supporting Chef Environment with servers and involved in developing manifests and developed Chef Cookbooks to manage system configuration.
* Created documents for various platforms including Nexus 7k, ASR9k, and ASR1k enabling successful deployment of new devices on the network.
* Developed PowerShell scripts to automate the project creation, setting permissions for users, groups in TFS. Developed automation scripting in Python using Chef to deploy & manage Java .Net applications across Linux/Windows servers.

**Environment:** AWS, OpenStack, Docker, Chef, Jenkins, Maven, GIT, Github, Python, Shell Scripting, PowerShell, XML, Jira, Linux

**NetApp San Jose, CA**

**DevOps Engineer Oct 2017 - Aug 2020**

**Responsibilities:**

* Utilized Azure Service Bus and Web services to handle messaging from thousands of devices, enabling smart photos to interact with vehicle tememetry.
* Experienced in Azure Infrastructure as a Service (IaaS) and in managing Azure Cloud environment from PAAS platform.
* Experience in managing the Azure services with Azure app services/Cosmos DB, Function apps, Key-vaults.
* Experience in creating and managing production scale Kubernetes clusters using Azure AKS and AWS EKS.
* Managed k8s offerings (e.g., EKS, GKE, AKS, etc.) and improved availability, latency, scalability of Porter clusters across different cloud providers.
* Experience in Github Actions Basics such as writing workflows, use actions.
* Experience in utilizing CICD tools (GitOps, Harness) and methodologies to rapidly deliver apps and provision cloud infrastructure.
* Utilized Harness CI/CD provides metrics and monitoring capabilities to track the performance of the software and identify any issues.
* Used Azure BLOB to access required files and Azure storage Queues to communicate between related process.
* Orchestrated workflows by defining dependencies between different data pipeline activities by using ADF.
* Integrated Azure Virtual Machines, Azure App Service, and Azure Functions to easily use keys and secrets in the applications without having to manage them separately by using AKV.
* Experienced in Azure IaaS virtual machines (VM’s) and cloud services (PaaS role instances) into secure VNets and subnets, designed VNETs and subscriptions to conform to Azure Network Limits.
* Experience in scheduling tasks and sharing resource frameworks such as Aurora and Mesos.
* Experience in administering Java containers such as WebSphere Application Server, JBoss, Tomcat and Weblogic.
* Implemented auto-scaling of microservices for varying daily traffic demands.
* Created templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Managed different infrastructure resources, like physical machines, VMs, and even Docker containers using Terraform.
* Managed upgrades of the applications and then deploy to a Kubernetes cluster using an application manifest in Argo CD.
* Experience in Automation and has good knowledge of Tools like SPLUNK, IP SOFT & APPDYNAMICS.
* Used Splunk Observability's detailed audit logs to track user activity, and to investigate any security incidents.
* Worked on WebLogic version upgrade using WLST scripts.
* Created Azure Container registry to securely store the Docker images and deployed Angular based applications to the Azure Kubernetes Service cluster (AKS).
* Worked on Azure Cloud Services (PaaS & IaaS), Web Apps, Logic Apps, Active Directory, Azure Monitoring, Storage, Data Factory, Key Vault, Traffic Manager, Application Insights, OMS, Service bus, Visual Studio Online (VSO), Cognitive Services and SQL Azure.
* Prepared capacity and architecture plan to create the Azure Cloud environment to host migrated IaaS VMs and PaaS role instances for refactored applications and databases.
* Automated the infrastructure deployments across the platform by creating Azure resource Manager Templates (IaC), PowerShell Scripts and Azure DevOps.
* Wrote custom bash scripts and PowerShell to integrate Azure PaaS services for deploying, configuring, and managing Azure Data Factory, Azure Databricks and Azure Search across multiple accounts, configuration management.
* Developed CI/CD pipelines for code deployment of python microservices and server-based applications.
* Installed, configured, and managed the OpenShift cluster and hosts across multiple datacenters and helping to define layout and usage patterns for OpenShift Operators.
* Designed automations to solve problems and create solutions using Groovy, Shell and Python.
* Supported the systems responsible for the Red Hat OpenShift container platform along with its associated infrastructure.
* Monitored the performance of the cache and did set-up alerts based on specific thresholds by using Redis.
* Created Azure ARM Templates for different teams to deploy the .Net based application on to Web roles, triggered ARM Templates from the Azure DevOps to build the .Net based applications and used Azure Key Vault to encrypt the data.
* Managed Azure Automation Assets, Graphical runbook, PowerShell runbook that will automate specific tasks, deployed Azure AD Connect, and involved in administrative tasks that include Build, Design, Deploy of Azure environment.
* Deployed ASP.NET web Application in Azure using Web App service, connected it to Azure SQL Database and used Azure DevOps (VSTS) to provide CI/CD pipeline and created Azure Active Directory (AD) tenants and managed to restrict the access to Azure DevOps.
* Worked with docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Created Kubernetes cluster with objects like Pods, Deployments, Services, Config Maps using Azure Kubernetes service and deployed multi-container application to the cluster.
* Jenkins, Docker, Zabbix Integrated in Linux Azure.
* Developed the puppet manifests for different application and web services like Apache Tomcat, WebSphere applications.
* Wrote Puppet manifests files for all applications to manage the configuration files and to manage them as services and Implemented Puppet applies using Subversion and Cron jobs.
* Develop Azure policies using ARM to setup guard rails and secure cloud deployments.
* Experienced in JIRA for ticketing and as well as defect tracking system and configure various workflows, customizations and plugins for JIRA bug/issue tracker, integrated Jenkins with JIRS, GitHub, Maven.
* Writing Cloud templates using Python Scripts and deployed AWS resources using it.
* Configured AWS identity and access management (IAM) groups and Users for improved login authentication. Provided policies to groups using policy generator and set different permissions based on the requirement along with proving Amazon resources Name (ARN).
* Worked for cost optimization and the cost budgeting, dealing with the different AWS accounts and to setup the targets for different teams to maintain their infrastructure with efficient cost management and whenever there is a possible chance of reducing the cost, I suggest best practices for the teams to implement the alternative ways to reduce and optimize the cost.
* Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, Bootstrap, and REST API calls using the JSON.
* Handles deployment of JAR, EAR, and WAR files to the respective application server instances, designed and architectural diagram for different applications before mitigating into Amazon cloud for flexible, cost-effective, reliable, scalable, high performance and secured.
* Strong in building Object Oriented applications using Java, writing Shell Scripts on UNIX.
* Worked with RHEL servers using RedHat Satellite and Ansible to manage and automate full system lifecycle of Linux servers, including deploying, securing, patching, and maintaining RHEL operating systems.
* Developed PowerShell scripts to automate the project creation, setting permissions for users, groups in TFS. Developed automation scripting in Python using Chef to deploy & manage Java .Net applications across Linux/Windows servers.
* Deployed .NET apps to AKS (Azure Kubernetes Service Cluster) using Kubernetes command line client and publish YAML files to create configuration deployments and pods to Azure Kubernetes service**.**
* Defined and managed release planning and branch strategy of GIT servers. Also, helped educate engineering community on the appropriate use of GIT. Implement auto environment creation using ansible Azure.
* Configured Jenkins to automate code deployments and to run updated scripts on GCP cloud instances by eliminating the need for error prone manual operations.
* Worked with variety of Linux platforms RedHat Linux, Solaris which includes installation. Configurating and maintaining of applications on this environment.

**Environment:** AWS, Azure, Terraform, Maven, Jenkins, Ansible, Azure ARM Templates, Azure AD, Azure Site Recovery, Kubernetes, Python, Ruby, XML, Shell Scripting, PowerShell, VMware, Nexus, JFrog Artifactory, Jira, Ansible, Docker, Windows Server, Nagios

**Accenture – Bangalore, India**

**Software Engineer Jan 2014 – Jun 2017**

**Responsibilities:**

* Installed/Configured/Managed Puppet Master/Agent.
* Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Upgradation or Migration of Puppet Community and Enterprise.
* Deployed DevOps using Puppet dashboard and Puppet DB for configuration management to existing infrastructure and developed the Puppet manifests creation, testing and implementation.
* Worked on Maven to create artifacts from source code and deploy them in Nexus central repository for internal deployments.
* Maintained Artifacts in binary repositories using JFrog Artifactory and pushed new Artifacts by configuring the Jenkins project using Jenkins Artifactory Plugin.
* Utilized Jenkins master/slave architecture to distribute builds on nodes and trigger Jenkins job to build the artifacts using Maven, deployed the Terraform templates to create the stack.
* Manage System Administration tasks during high deliverables for Linux servers and also Configured NEXUS Artifactory repository to store artifacts and created build configuration files including POM.xml.
* Build numerous Lambda functions using python and automated the process using the event created.
* Developed monitoring and notification tools using Python and also updated content in the database and manipulate files.
* Developed automated testing framework for command-line based tests on Linux using Objected Oriented Perl and for selenium-based tests using Python.
* Performed technical analysis for LINUX systems on issues related to servers, local services, data centres, and server configuration. Deploying and maintaining production environment using AWS EC2 instances and Elastic Container Services with Docker.
* Manage dependencies in Maven project by creating parent-child relationships between required projects and collaborate the deployment process with Shell scripting.
* Worked in all areas of Jenkins setting up CI for new branches, build automation, plugin management and securing Jenkins and setting up master/ slave configurations.
* Worked on Continuous Integration System (Jenkins). Used Jenkins for official nightly build, test and managing change list. Installed Multiple Plugins for smooth build and release build pipelines.
* Troubleshooting the network issues involving TCP/IP, LAN/WAN networking, DNS, DHCP, SMTP, SNMP, netstat and monitored the servers and Linux scripts regularly and performed troubleshooting.
* Built Continuous Integration environment Jenkins, Artifactory and Continuous delivery environment using Jenkins, Yum and Puppet.
* Worked on GIT branching, merging, stashing the commits to reuse for a strategical build/release and implemented reset before commit and reverting the commit before pushing to the central repository if necessary.
* Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies. Created the ANT scripts and extension of existing ANT scripts for deployment of applications to HUDSON.
* Maintained build related scripts developed in ANT, Python, and shell. Modified build configuration files including Ant’s build.xml.
* Worked on Client-side hooks such as GIT committing and merging, server- side hooks run on network operations such as receiving pushed GIT commits.

**Environment:** RHEL 5/6, Samba, Linux VM, Bash/shell, WebSphere 6.x/7.x/8.x, MySQL, Apache, VMware.

**Education:**

* Bachelors in computer science engineering at Sathyabama Institute of Science and Technology.
* Masters in applied computer science at Southeast Missouri State University.