**OBJECTIVE**

With over 10 years of experience in the IT industry, I have honed my skills as a DevOps/SRE Engineer. I have automation, CI/CD, and orchestration expertise across various cloud environments and platforms. My experience includes working as a Cloud Build and Release Engineer, testing, automating, Linux administration, and configuration management. I have a proven record of accomplishment in continuously integrating and deploying software applications using Java and Python programming languages.

**CERTIFICATION**

1. AZ-305: Designing Microsoft Azure Infrastructure SolutionsAZ-305: Designing Microsoft Azure Infrastructure Solutions. <https://www.credly.com/badges/319d7e52-d191-40a9-b3ed-de8c7962043e/linked_in_profile>
2. AWS Certified SysOps Engineer

**PROFESSIONAL SUMMARY**

* Have experience in Software Development Processes like SDLC, Waterfall, Test Driven Development (TDD), Iterative and Agile Methodologies.
* Designed, Configured, and managed public/private/ hybrid cloud infrastructure using Amazon Web Services (AWS) including EKS, EC2, SNS, SES, SQS, Kinesis, Auto-Scaling in launching EC2 instances, Lambda, API Gateways.
* Experience in managing AWS, Azure, and GCP resources using Terraform and Cloud Deployment Manager.
* Worked on AWS cloud platform in different services and most widely developed CloudWatch dashboard to track Proficient on Terraform key features such as Infrastructure as code, execution plans, resource graphs, change automation, and created infrastructure to deploy various applications across multiple cloud providers.
* Hands-on experience in writing Terraform API modules to manage infrastructure, for the utomatic creation of AWS services like RDS instances, VPCs, Auto scaling groups, Load balancers, SQS, and S3 buckets.
* Worked with Cloud infrastructure based of VPC, EC2, Route53, S3, RDS, DynamoDB, SNS, SQS, Lambda, Redshift, Network ACLs, ELB, NLB, Auto Scaling, IAM on AWS using Cloud formation templates and terraform.
* Expertise in Kubernetes architecture, deployment, and management, including configuring and scaling Kubernetes clusters, managing Kubernetes objects and services, and optimizing container orchestration.
* Expertise in setting up, configuring, and customizing Jenkins pipelines to support automated build, test, and deployment processes for applications.
* Proficient in using GitHub Actions to implement CI/CD pipelines for applications running on GitHub.
* Experience in creating and customizing GitHub Actions workflows, including using templates and secrets to automate build, test, and deployment processes.
* Experience in managing and configuring Jenkins nodes and agents, including scaling Jenkins infrastructure and setting up security measures.
* 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, and GitLab.
* Proficient in using Jenkins plugins to extend Jenkins functionality, including integrating with other DevOps tools such as GitHub, Docker, and Kubernetes.
* Proficient in using Kubernetes tools such as kubectl, helm, and operators for deploying, managing, and automating containerized applications.
* Expertise in Architecting and Implementing Azure Service Offerings like Azure storage, Azure Databricks, Azure Web Applications, IIS, Active Directory (AD), Azure Storage, Data Lake, Data Factory, Blob Storage, Azure VMs, Azure ADDS, Azure Search, SQL Database, Logic Apps, Key Vault, Notification Hub, Azure Pipelines, Azure Functions, Azure Service Fabric, Event Grid, Azure Monitor, ACS, AKS and Azure Service Bus.
* Used Canary deployments reduced the risk of introducing new software versions in production by slowly rolling out the changes to a small subset of users before rolling it out to everyone.
* Also worked on using immutability or dual prod for blue-green deployments. Prometheus and Splunk are used to instrument services so that they can be made externally observable.
* Experience in troubleshooting distributed systems and analyzing transactional flow when troubleshooting.
* Proficient in using Python for automation and scripting tasks in DevOps workflows, including automating infrastructure provisioning, configuration management, and deployment.
* Strong knowledge of Python libraries and frameworks commonly used in DevOps, including Ansible, and Cloud experience in using these tools to automate infrastructure tasks.
* Worked on Jira tickets continuously tracking and solving them created by teams.
* Coordinated and worked on providing solutions for production issues.
* Used Service-Now tool and Azure Incident Management System for incident management change request tickets.
* Extensively worked with Scheduling, deploying, and managing container replicas onto a node using Kubernetes and experience in creating Kubernetes clusters and working with Helm charts running on the same cluster resources.
* Experienced with AWS lambda and other AWS services in automated deployment (terraform, AWS CloudFormation), serverless architecture, and Hashi Corp tools (Terraform, Packer, Vault).
* Proficient knowledge of Helm charts to manage and release helm packages.
* Extensive experience in using ANT, and Maven for automating software build processes and managing build artifacts and GIT, CVS, SVN, and GitLab for Version Control Systems.
* Configured, monitored, and automated Google Cloud Services as well as involved in deploying the content cloud platform using Google compute engine, Google storage buckets, Glacier, Load Balancers, RDS, SNS, SWF, and IAM.
* Planning and implementation of data and storage management solutions in Azure (SQL Azure, Azure files, Queue storage, Blob storage). Implementing scripts with PowerShell for Runbooks.
* Experience in Administration/Maintenance of source control management systems, such as Subversion (SVN), Perforce, TFS, GIT, GitLab, and knowledge of Clear Case.
* Managed Amazon Web Services like EC2, EKS, S3 bucket, Kinesis, RDS, EBS, ELB, Auto-Scaling, AMI, IAM, SQS, SNS, SES, Glue, Lambda through AWS Console and API Integration with Puppet Code.
* Involved in the functional usage and deployment of applications in Web Logic, Web Sphere, and Apache Tomcat Server.
* Migrated CVS Version Management tool to Subversion. Experience in working with Ubuntu, Red Hat, UNIX, and windows.
* Experience with build tools like Maven, GRADLE, and version management tools like GIT, GitHub, SVN, CVS, and Continuous Integration and Continuous Delivery tool Jenkins to set up automated builds.

**TECHNICAL EXPERTISE**

|  |  |
| --- | --- |
| Operating Systems | Linux, RedHat Linux, Ubuntu, Centos, Windows, Unix |
| Version control tools | GitHub, Bitbucket, SVN (subversion), CVS, GitLab |
| Automation/configuration tools | Jenkins, Docker, Vagrant, Ansible, Kubernetes, Maven. |
| Monitoring tools | Nagios, Prometheus, Grafana, Splunk, CloudWatch, ELK, Datadog |
| Cloud Services | Google Cloud Platform (GCP), Amazon Web Services (AWS), Microsoft Azure, and OpenStack |
| Deployment tools | Ansible, Docker |
| Virtualization | VMware, Virtual Box |
| Languages | Python, go lang |
| Databases | DB2, Oracle, SQL server, MY SQL, Cassandra |
| Web servers | Apache Tomcat, Web Sphere, Apache 1.3x, Apache 2.0x |
| Networking/Protocol | FTP/SFTP, SMTP, HTTP/HTTPS, NDS, DHCP, NFS, TCP/IP |
| Bug Tracking tools | JIRA |

**WORK EXPERIENCE**

**Client: Equifax, Alpharetta, GA** **July 22 – Till Date**

**Role: SRE Engineer**

**Responsibilities:**

* Demonstrated proficiency and comprehensive understanding of various Vertex AI components, including batch prediction, Cloud Functions, Dataproc, datasets, endpoints, feature store, metadata management, model monitoring, model management, notebooks, pipeline jobs, TensorBoard, vector search, and Vizier.
* Spearheaded the creation of in-depth GitHub documentation for Vertex AI, covering essential data science use cases including model development, deployment, and monitoring. Additionally, played a pivotal role in continuously updating and improving the documentation to align with platform advancements, resulting in a 30% reduction in user support requests and enhanced user adoption of the platform.
* Vertex AI stack worked on are as follows - buckets, service accounts and roles, CMEK Keys, Cloud functions, multipurpose Vertex AI workbench, Bigquery Datasets.
* Understand the python cloud functions to trigger AutoML, Notebook actions, Models, Endpoints, Workbench.
* Python Magic Words to handle the requests from/to handle the cloud functions mentioned above.
* Successfully designed and integrated a pre-provisioning block within a multi-branch Jenkins pipeline to list AutoML models registered, enhancing automation and visibility in machine learning model management processes.
* Demonstrated proficiency in using cloud-based APIs (RESTful services) for infrastructure management, including the application of environment variables in scripting (e.g., using curl with Google Cloud endpoints).
* Demonstrated expertise in Git by efficiently managing branch creation and reorganization, coupled with skillful handling of pull requests, significantly enhancing code quality and fostering collaborative team development.
* managed Google Cloud Platform Cloud Functions for various purposes, including dataproc, datasets, endpoints, feature-store, jobs, models, notebooks, and pipelines, significantly enhancing cloud-based automation and efficiency.
* Hands-on experience setting up and deploying applications on Google Cloud Platform (GCP), Managing the Infrastructure on the Google Cloud Platform using Various GCP services.
* Configuring and deploying instances on GCP environments and Datacenters. also familiar with Compute, Kubernetes Engine, Stack driver Monitoring, Elastic Search, and managing security groups on both.
* Maintained the user accounts (IAM), Cloud SQL, Cloud DNS, VPC, RDB, Cloud Datastore Cloud Big table, SQS, and Cloud Pub/Sub services in the Google Cloud platform.
* Worked on the GCP IAM Roles for data access, and its Impact of IAM permissions inheritance on Data Access. By creating GCP resources Groups, dashboards etc.
* Leveraged GCP cloud services such as Compute, auto-scaling, and VPC to build secure, highly scalable, and flexible systems that handle expected and unexpected load bursts.
* Proficient in building and managing Continuous Delivery pipelines using GCP services like Cloud Build, Cloud Source Repositories, and Cloud Pub/Sub.
* Build and configure a virtual data center in the Google Cloud platform to support Enterprise Data Warehouse hosting, including Virtual Private Cloud (VPC), Public and Private Subnets, Security Groups, Route Tables, and Google Cloud Load Balancing.
* Experience managing GCP resources using Terraform and Cloud Deployment Manager.
* Proven record of accomplishment of successfully deploying and managing GCP infrastructures.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins, GitHub, & GCP. Whenever a new GitHub branch starts, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container.
* Setting up Kubernetes (K8s) clusters for running microservices and pushing them into Production with Kubernetes backed Infrastructure.
* Integrated Splunk Enterprise with Dynatrace to monitor the performance of the application, managing Splunk Forwarder on a centralized deployment server.
* Developed a Shell script for real-time monitoring and reporting of the status of the application servers, JVMs, and server machines on the internal network using BASH shell on RHEL.
* Building and Maintaining Docker Container clusters managed by Kubernetes Linux, Bash, GIT, GitHub, and GitLab Docker, on GCP (Google Cloud Platform).
* Worked on Google Cloud platform (GCP) services like computer engine, load balancing, cloud storage, cloud SQL, stack driver monitoring, and cloud deployment manager.
* Responsible for handling the PagerDuty on incident management support, Pingdom, and On-call support for DevOps incidents.
* POC on GCP's VPC using Firewall Rules, Routes, Cloud Security, External IP Addressing, Load Balancers, Cloud DNS, and CDN on GCP.

**Environment**: Google Cloud Compute (GCP), Kubernetes, Docker, Swarm, Jenkins, Ansible, Jira, Confluence chef, Git, Git-Hub, Maven, PowerShell Windows, Terraform, JIRA, Apache Tomcat, Shell Script, Python, Linux, Splunk.

**Client: Intuit,CA** **August ’21 – July ‘22**

**Role: DevOps Engineer**

**Responsibilities:**

* Extensive working experience with different SDLC methodologies such as Agile and Waterfall, with an ability to be creative and to take self-initiatives to execute/manage multiple projects in parallel during time-critical situations.
* Manage multiple AWS accounts with various VPCs for both production and non-production, where primary objectives are automation, build-out, integration, and cost control.
* I worked extensively on AWS services such as EC2, S3, SNS, SQS, IAM, Cloud Watch, Code Deploy, Cloud Front, Cloud Formation, and VPC.
* Automated the AWS resources by using Terraform.
* Worked with Terraform to create stacks in AWS from scratch and regularly updated the Terraform per the irregular nation’s requirements.
* Used Terraform in AWS Virtual Private Cloud to automatically set up and modify settings by interfacing with the control layer.
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins, and GitHub. Whenever a new GitHub branch starts, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container.
* Configured in setting up CI/CD pipeline integrating various tools with Cloud Bees Jenkins to build and run Terraform; used to create Infrastructure in AWS.
* Manage deployment automation and implement a Continuous Delivery framework for new projects using Jenkins, Ansible, Code Deploy, Docker, and Git.
* Experienced in Docker and Ansible to build automation pipelines and Continuous Deployment for code using Jenkins and wrote Ansible Playbooks to automate Ansible Servers using YAML scripting.
* Extensively Worked on Docker service rolling updates to implement zero downtime PROD deployments, worked with Docker Trusted Registry as a repository for our Docker images, and worked with Docker Swarm.
* Setting up Kubernetes (K8s) clusters for running microservices and pushing them into Production with Kubernetes backed Infrastructure.
* Hands-on experience working with system health and performance Monitoring Tools like Splunk and replacing Splunk logging and analytics, increasing data capture capacity and reducing costs.
* Integrated Splunk Enterprise with Dynatrace to monitor the performance of the application, managing Splunk Forwarder on a centralized deployment server.
* Involved in setting up JIRA as a defect tracking system and configured various workflows, customizations, and plugins for JIRA bug/issue tracker for creating bug tickets, storyboarding, pulling reports from the dashboard, and experience working with Atlassian JIRA management tools and confluence page tools.
* Developed a Shell script for real-time monitoring and reporting of the status of the application servers, JVMs, and server machines on the internal network using BASH shell on RHEL.
* Involved in Troubleshooting all aspects of the Unix/Centos/RedHat/Linux Operating environments and coordinated with all the teams before and after the production deployments for smooth Production releases.

**Environment:** AWS, Terraform Kubernetes, Docker, Swarm, Jenkins, Ansible, Jira, Confluence chef, Git, Git-Hub, Maven, PowerShell Windows, JIRA, Shell Script, Python, Splunk, Linux.

**Client: Infosys, Bengaluru, India** **October ’17 – Jan 2021**

**Role: Azure DevOps Engineer**

**Project -2**

**Responsibilities:**

* 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 migrated to Azure using Azure Site Recovery and collected data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Created Azure Automation Assets, Graphical runbook, and PowerShell runbook that will automate specific tasks, deployed Azure AD Connect, configuring Active Directory Federation Service (AD FS) authentication flow, ADFS installation using Azure AD Connect, and involved in administrative tasks that include Build, Design, Deploy of Azure environment.
* Configured in setting up CI/CD pipeline integrating various tools with Cloud Bees Jenkins to build and run Terraform templates to create infrastructure in Azure. Worked on Power Shell scripts to automate the Azure Cloud system in creating Resource groups, Web Applications, Azure Storage Blobs & Tables, and security system rules, and used Python scripts to automate daily administrative tasks.
* Experienced managing release planning and branching strategy of GIT servers and worked on creating repositories in GIT Stash for multiple applications configured GIT repositories in CI setup in Jenkins and Injected Groovy scripts in Jenkins for the dashboard and customized email triggers.
* Automated Various infrastructure activities like Continuous Deployment, Application Server setup, & Stack Monitoring using Ansible Playbooks & integrated Ansible with Jenkins; provisioned & patched servers using Ansible.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool, which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its node, Config Maps, selector, services, and deployed application container as Pods.
* Experience in Writing Chef Recipes to automate our build/deployment process and improve manual processes. Utilized Configuration Management Tool Chef and created Chef Cookbooks using recipes to automate system operations.
* Deployed Windows Kubernetes cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Configure Continuous Integration from source control, setting up build definition within Visual Studio Team Services (VSTS) and configure continuous delivery to automate the deployment of ASP.NET MVC applications to Azure web apps and managed Azure Active Directory, Office 365 and applied upgrades regularly.
* Written Templates for Azure Infrastructure as code using Terraform to build staging and production environments. Integrated Azure Log Analytics with Azure VMs for monitoring the log files, storing them, and tracking metrics; used Terraform as a tool; managed different infrastructure resources: Cloud, VMware, and Docker containers.
* Worked on OpenShift for container orchestration with Kubernetes container storage and automation to enhance container platform multi-tenancy. also worked on Kubernetes architecture and design troubleshooting issues and multi-regional deployment models and patterns for large-scale applications.
* Used Ansible to set up/teardown of ELK stack (Elasticsearch, Log stash, Kibana) and troubleshoot the build issues wi, troubleshoot towards the solution.
* Written Ansible handlers with multiple tasks to trigger multiple handlers and to decouple handlers from their names, making it easier to share handlers among Playbooks and Roles.
* Managed Kubernetes charts using Helm, Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files, and Managed releases of Helm packages.
* Experience with PowerShell scripts to automate the Azure Cloud system creation, including end-to-end infrastructure, VMs, storage, and Azure security system rules.
* Hands-on Experience to create different Templates of ARM under the platform Azure.
* Create and maintain highly scalable, fault-tolerant, multi-tier AWS and Azure environments spanning multiple availability zones using Terraform and CloudFormation.
* Designed, wrote, and maintained systems in Python scripting for administering GIT, using 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.
* Worked with Nagios for Azure Active Directory & LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers and added new services & servers.

**Environment:** Azure, Terraform, Maven, Jenkins, Ansible, Azure ARM, Azure AD, Azure Site Recovery, Kubernetes, Python, Shell Scripting, PowerShell, Nexus, Jfrog Artifactory, Jenkins, Git, Jira, GitHub, Ansible, Docker, Windows Server, TFS, VSTS, LDAP, Nagios.

**Project -1**

**Role: AWS Dev-Ops Engineer / SRE Production Support**

**Responsibilities:**

* Worked on Monitoring EC2 Instances, Installed the EC2 Monitoring Scripts, Created Cloud Watch Alarm, created an Alarm using the EC2 console, and Shared CloudWatch Metrics with others.
* Understood the Kubernetes Cluster Architecture. Worked on cluster vulnerabilities like leaking sensitive data, running foreign workloads, and a host of other attacks prevention using Configuring Kubernetes Authentication, Authorization, Network policies, & security context; also worked with Kubernetes secrets validate AWS services.
* Understand Kubernetes' authentication model, create users and groups in Kubernetes, and use role-based access control for authorization. Configured network policies to control pod communication.
* Used pod and container security contexts to harden your environments. Securely store sensitive information using Kubernetes secrets.
* Troubleshoot Kubernetes connection failures, as access issues are inevitable when running large clusters. Worked on detecting, diagnosing, and remedying cluster access issues. Used the tools included in Kubernetes, such as Kubectl, and various Linux operating systems tools like SCP, grep, and OpenSSL to build a comprehensive Kubernetes troubleshooting toolkit.
* Connecting the Internet Gateway to the VPC Route Table, creating an EC2 instance, and Allocating and Associating an Elastic IP.
* Practiced designing for high availability and identifying single points of failure in a production-like AWS environment.
* Implemented AWS solutions using EC2, EKS, S3, RDS, EMR, Elastic-Cache, Kinesis, EBS, Elastic Load Balancer, DynamoDB, Lambda, API Gateway, Redshift, RDS, Route53, Cloud Formation, Cloud Foundry, Auto Scaling groups. Strengthening security by implementing & maintaining Network Address Translation in the company’s network.
* Built templates to create custom-sized VPC, subnets, NAT, IGW, Route Tables, ECS, ALB, ELB, Lambda, S3, buckets, CloudFront, and Security groups to ensure successful deployment of Web applications & database templates on AWS.
* 24/7 production support for the application. Provide production support for clients in the incident and issue resolution overnight.
* Monitoring and dashboard platforms such as Grafana/Datadog/Splunk and Prometheus.
* Experience in designing & implementing REST-based Web Service API(s) in a transaction processing environment.
* Developed microservice onboarding tools leveraging Python and Jenkins, allowing for easy creation and maintenance of build jobs and Kubernetes deployment and services.

**Environment:** AWS, EKS, Ansible, GITHUB, REST APIs, Grafana, Prometheus, Chef, GitLab, Python, Django, Jenkins, RHEL, SFTP, WinSCP, SSH, Kubernetes, Terraform, Cloud watch, Docker, GIT, OpenShift, Red Hat Linux, shell scripting, Nagios, Splunk, Maven, Agile/SCRUM, Elastic Search, Kibana, Apache-web server, Tomcat, Jfrog Artifactory, Jira, Ruby, Shell scripting

**Client: Thrikasa Technologies, Hyderabad, India** **October ’2016 – October ‘2017**

**Role: System Engineer – Build and Release**

**Responsibilities:**

* Extensive working experience with different SDLC methodologies such as Agile and Waterfall, with an ability to be creative and to take self-initiatives to execute/manage multiple projects in parallel during time-critical situations.
* Manage multiple AWS accounts with various VPCs for both production and non-production, where primary objectives are automation, build-out, integration, and cost control.
* I worked extensively on AWS services such as EC2, S3, SNS, SQS, IAM, Cloud Watch, Code Deploy, Cloud Front, Cloud Formation, and VPC.
* Automated the AWS resources by using Terraform.
* Worked with Terraform to create stacks in AWS from scratch and regularly updated the Terraform per the irregular nation’s requirements.
* Used Terraform in AWS Virtual Private Cloud to automatically set up and modify settings by interfacing with the control layer.
* Provisioned the highly available EC2 Instances using Terraform and cloud formation and wrote new plugins to support new functionality in Terraform.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins, and GitHub. Whenever a new GitHub branch starts, Jenkins, our Continuous Integration server, automatically attempts to build a new Docker container.
* Configured in setting up CI/CD pipeline integrating various tools with Cloud Bees Jenkins to build and run Terraform; used to create Infrastructure in AWS.
* Manage deployment automation and implement a Continuous Delivery framework for new projects using Jenkins, Ansible, Code Deploy, Docker, and Git.
* Experienced in Docker and Ansible to build automation pipelines and Continuous Deployment for code using Jenkins and wrote Ansible Playbooks to automate Ansible Servers using YAML scripting.
* Extensively Worked on Docker service rolling updates to implement zero downtime PROD deployments, worked with Docker Trusted Registry as a repository for our Docker images, and worked with Docker Swarm.
* Setting up Kubernetes (K8s) clusters for running microservices and pushing them into Production with Kubernetes Infrastructure.
* Hands-on experience working with system health and performance Monitoring Tools like Splunk and replacing Splunk logging and analytics, increasing data capture capacity and reducing costs.
* Integrated Splunk Enterprise with Dynatrace to monitor the performance of the application, managing Splunk Forwarder on a centralized deployment server.
* Involved in setting up JIRA as a defect tracking system and configured various workflows, customizations, and plugins for JIRA bug/issue tracker for creating bug tickets, storyboarding, pulling reports from the dashboard, and experience working with Atlassian JIRA management tools and confluence page tools.
* Developed a Shell script for real-time monitoring and reporting of the status of the application servers, JVMs, and server machines on the internal network using BASH shell on RHEL.
* Involved in Troubleshooting all aspects of the Unix/Centos/RedHat/Linux Operating environments and coordinated with all the teams before and after the production deployments for smooth Production releases.

**Environment:** AWS, Docker, Jenkins, Ansible, Jira, Confluence Chef, Git, Git-Hub, Maven, PowerShell Windows, JIRA, Shell Script, Python, Splunk, Linux.

**Client: Tech Mahindra, Hyderabad, Telangana** **March ’2015 – September ‘2016**

**Role: DevOps AWS Engineer**

**Responsibilities:**

* Installed configured and Managed Monitoring tools such as Splunk and Nagios for Resource Monitoring/Network monitoring/Log Trace Monitoring.
* Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy. Launched Docker containers on EC2 instances, managing them in Kubernetes and Docker.
* Responsible for orchestrating CI/CD processes by responding to GITHUB Git triggers, human input and dependency chains, and environment setup and deployed CI/CD Pipelines.
* Used Kubernetes / Docker Swarm for automating deployment, scaling, and operations of application containers across clusters of hosts, providing container-centric infrastructure.
* Designed and implemented CI (Continuous integration) system: Configuring Jenkins servers, and Jenkins nodes, creating required scripts (Python), and creating/configuring in VMs (Windows/Linux).
* Automatic build and deployment through Jenkins & and deployment tools using image or version created by Jenkins.
* Migrating applications to Dev, QA, UAT, and Production environments.
* Involved in each release's implementation calls of each release and provided postproduction support activities, and tracked DEV, Testing, Pre-prod, and production environments.
* Used CVS as a source control tool and Rational Team Concert (RTC) to track aspects of work tasks.
* Used Jira tool for a web application server that allows us to define jobs and tasks and as ticket tracking, Change management, and Agile/SCRUM tool.

**Environment:** Agile, Scrum, Splunk, Nagios, Jenkins, Maven, Shell, Python Load Balancers, Apache Tomcat 7. x, GitHub, CloudWatch, configured Apache, RedHat Linux, Centos.

EDUCATION

* Master of Science, Computer Information Systems, New England College, Henniker, NH, 2022.
* Masters in Digital Systems and Computer Electronics, JNTU, Karimnagar, India, 2015.
* Bachelor of Technology, Electronics and Communication Engineering from JNTUH, 2012.