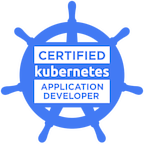
**C:\Users\lenovo\Downloads\AWS Certified Solutions Architect - Associate logo\Solutions Architect - Associate -Logos\Certified_Logos\PNG\AWS_Certified_Logo_SAA_294x230_Color.pngJonukuti Sai Kalyan**

**Phone No: +1 929 430 4408**

**Email Id: Saikalyanj8@gmail.com**

**Professional Summary:**

* Around 10 years of experience in the IT industry with the ability to accomplish all aspects of Different Cloud Services, DevOps, Build and Release Management, Software Configuration Management, Source Control and Application Server Management, and System Administration.
* Designed, Configured, and Managed public and private cloud infrastructures using AWS, and AZURE.
* Hands-on experience with AWS cloud services like IAM, S3, EC2, EMR, DynamoDB, EBS, ELB, DNS, Route 53, AMI, VPC, CloudWatch, Auto scaling, SNS, SQS, Security Groups, CloudFront, Snowball, CloudTrail, CloudFormation, hive, EFS, RDS, and Glacier.
* Experience in designing, configuring, and deploying Amazon Web Services for applications using the AWS stack (including EC2, S3, RDS, Cloud Formation, Cloud Watch, SQS, and IAM) focusing on high availability, fault tolerance, and auto-scaling.
* Migrated Servers, Databases, and Applications from Microsoft Azure to AWS.
* Worked on various Azure services like Compute (Web roles and Worker roles), Caching, Storage, SQL Azure, NoSQL, Network Services, Azure Active Directory, Scheduling, Auto scaling, and PowerShell Automation.
* Experienced in creating and managing pipelines using Azure Data Factory, copying data, and configuring dataflow in and out of Azure Data Lake Stores according to technical requirements.
* Experience in Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, Active Directory, Azure Application Insights, Logic Apps, Data Factory, Service Bus, Traffic Manager, Azure Monitoring, Azure OMS, Key Vault, Cognitive Services (LUIS) and SQL Azure, Cloud Services, Resource Groups, ExpressRoute, Load Balancing, Application Gateways.
* Implemented Infrastructure automation through Ansible for auto-provisioning, code deployments, software installation, and configuration updates.
* Experienced in writing various custom Ansible playbooks for deployment orchestration, simplifying, and automating day-to-day server administration tasks
* Experience with setting up Chef Infra, Bootstrapping Nodes, creating and uploading recipes, and node convergence in Chef SCM. Used knife command line, BASH to provide an interface between the local Chef-repo and Chef server and to automate the deployment process.
* Conceived, designed, installed, and implemented a Puppet configuration management system to manage configurations and automate installations across multiple nodes in the cluster.
* Experience and hands-on in design, implementing compute, storage, serverless, Devops, microservice, and automation management for cloud and on-premises data centres
* Experience in working with container-based deployments using Docker, Docker images, Docker file, Docker Hub, Docker Compose and Docker registry, Used Docker-Swarm to maintain the cluster of containers.
* Experience with Scheduling, deploying, managing container replicas onto a node cluster using Kubernetes and in creating Kubernetes clusters work with frameworks running on the same cluster resources.
* Extensively involved in infrastructure as code , execution plans, resource graph and change automation using Terraform and Managed AWS infrastructure as code using Terraform.
* Demonstrated experience supporting large-scale, elastic, highly-available cloud environment orchestration on one or more of OpenStack, etc.
* Solution design of serverless java application using DevOps/AWS.
* Demonstrated experience and/or familiarity with tools used for security analysis (e.g., tcpdump, Wireshark, snort, ngrep, nmap, strings, hexdump, md5sum, systools).
* Detailed technical understanding of the OpenStack project ecosystem and open source hypervisor technologies; gained significant experience in assisting customers that are running into problems using OpenStack.
* Experience with Continuous Integration and Continuous Deployment methodologies using Jenkins, Hudson, and Bamboo to implement the End-To-End automation.
* Implemented and supported Continuous Integration process via Jenkins and Bamboo for several java applications including setting up pipeline jobs and downstream job configurations in Jenkins.
* Experienced in using build tools like Maven, Ant, and Gradle for the building of deployable artifacts from source code and pushing them into the Nexus repository.
* Experience working with Apache Hadoop, Kafka, Spark and Log stash.
* Experienced in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like GIT and SVN, perforce on UNIX and Windows environments, migrated SVN repositories to GIT.
* Experienced in build and deployment of Java applications on to different environments such as QA, UAT and Production.
* Hands on experience in accessing AWS Elastic Beanstalk using AWS Elastic Beanstalk command line interface to deploy and manage Java , . NET, PHP, Node.js, Python, Ruby, Go, and Docker web applications.
* Experience in using ELK (Elastic Search, Log Stash, and Kibana) stack for network and server monitoring, storing the logs and visualizing them using Nginx.
* Experience in creating Nagios Monitoring infrastructure and various Nagios plugins Script based on Perl and Python for checking the health of App servers and for monitoring loads.
* Hands-on experience in Linux based database management systems like RDBMS, MySQL, MongoDB, Cassandra, NoSQL and programming languages like JAVA, and .NET.
* Experience in web application design and development with Object Oriented technologies using Java / J2EE.
* Experience in using Tomcat web server and JBoss, WebLogic and WebSphere application servers for deployment.
* Good scripting knowledge on Pearl, Bash, Shell, Python, PHP scripts for automation of the build and release process.
* Worked with Python libraries like beautiful soap, SQL Alchemy, Matplotlib, NumPy, Pillow and wrote Python scripts to parse JSON documents and loaded the data into the database.
* Installing, configuring and maintaining the networking protocols such as TCP/IP tuning, Ethernet bonding, DNS, NFS, SMTP, FTP, and HTTP.
* Experience in working with Tracking Tools Remedy, JIRA and HPSM. Working with application infrastructure architects to establish the physical environments to effectively perform the software builds and deployments with an emphasis on quality, integrity, and security.

**Technical Skills:**

|  |  |
| --- | --- |
| **Cloud Environment** | AWS, AZURE, SNOWFLAKE. |
| **Infrastructure as code** | Terraform and Cloud Formation |
| **AWS Service** | VPC, IAM, S3, Elastic Beanstalk, Redshift, Lambda, Kinesis |
| **Operating System** | Linux (Red Hat, CENTOS & SUSE), Ubuntu, Solaris, DEBAIN, HP-UX, Windows. DynamoDB, Direct Connect, Storage Gateway, DMS, SMS, SNS, and SWF |
| **Scripting** | Shell Scripting, Groovy, Python, Ruby, Perl and Power Shell. |
| **Version Control Tools** | GIT, GITHUB, TFS, Subversion (SVN), CVS and Bitbucket. |
| **Build Tools** | Maven, Gradle Sonar, Nexus, Ant |
| **Containerization Tools** | AWS ECS, Docker, Kubernetes, Mesos |
| **Automation & Configuration Tools** | Chef, Puppet, Ansible, Jenkins |
| **Orchestration Tools** | Kubernetes, Docker swarm, and Apache Mesos |
| **Networking Protocol** | TCP/IP, DNS, DHCP, Cisco Routers/Switches, WAN, LAN, FTP/TFTP, SMTP |

**Professional Experience:**

**Client: JPMC, New York, NY Jan 2023 – Present**

**Azure Cloud Engineer**

**Responsibilities:**

* Responsibilities include System administration and system troubleshooting tasks on Linux servers.
* Solutions Consultant responsible for architecture decisions and tasks for ongoing migration efforts.
* Involved in the design and development of web applications in C#.NET, ASP. Net, User Controls, and deployment in the cloud environment.
* Worked on various Azure services like Compute (Web Roles, Worker Roles), Azure Websites, Caching, SQL Azure, NoSQL, Storage, Network services, Azure Active Directory, API Management, Scheduling, Auto Scaling, and PowerShell Automation.
* Responsible for developing services using .NET/C# code and Web API technology (Restful API ).
* Developed ASP.NET Web API services to return JSON and XML Format.
* Identifying opportunities to improve infrastructure that effectively and efficiently utilizes the Microsoft Azure Windows server 2008/2012/R2, Microsoft SQL Server, Microsoft Visual Studio, Windows PowerShell, and Cloud infrastructure.
* Cloud Platforms AZURE (API Management Services, Data Factories, App Services, Data Lake Store, SQL Databases & Virtual Machines.
* Migrated the existing SharePoint sites to .Net MVC with Azure cloud environment.
* Used ASP.NET MVC framework to support the use of Dependency Injection to inject objects into a class, instead of relying on the class to create the object itself.
* Used Apache Spark for processing large sets of data volumes for rapid processing and enhancing the output.
* Provided consistent environment using Kubernetes for deployment scaling and load balancing to the application from dev through production, easing the code development and deployment pipeline by implementing Docker containerization with multiple namespaces.
* Experiences working with various services in Azure like Data Lake to store and analyze the data.
* Worked on Apache Hadoop and used Kafka for messaging system and Spark for processing large sets of data.
* Experience in maintaining the branching, Staging , build, and release strategies using SCM tools like
* Subversion , GIT and Bitbucket .
* Specialized in utilizing AWS as the Cloud Platform - includes Cloud Automation, Managed Services and Serverless.
* Developed Git workflows and built CI/CD pipelines using GitHub, Jenkins , and Maven to automate
* deployments.
* Snowflake data engineers will be responsible for architecting and implementing very large-scale data intelligence solutions around Snowflake Data Warehouse.
* A solid experience and understanding of architecting, designing and operationalization of large-scale data and analytics solutions on Snowflake Cloud Data Warehouse is a must.
* Worked on TFS/Azure DevOps for continuous integration (CI) and for end-to-end automation for all builds and deployments and also worked on Build tools like Maven for the building of deployable artifacts into artifactories like Jfrog and Nexus from source code.
* Worked with application teams to install operating system, Hadoop updates, patches, version upgrades
* as required. Integrated Kafka with Spark in sandbox Environment.
* Written automation scripts for creating resources in OpenStack Cloud using Python and terraform modules.
* Implemented automated local user provisioning in instances created in the OpenStack cloud through Ansible Playbooks.
* 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.
* Led a migration project from Teradata to Snowflake warehouse to meet the SLA of customer needs.
* Configured and deployed Azure Automation scripts for applications utilizing the Azure stack that included compute, blobs, ADF, Azure Data Lake, Azure Data Factory, Azure SQL, Cloud services and ARM, and utilities focusing on Automation.
* Experienced in creating tenants/projects in an OpenShift environment.
* Automated OpenStack and Azure deployment using Cloud Formation, heat, Ansible, chef, and Terraform.
* Architect, develop, plan, and migrate servers, relational databases (SQL) and websites to Microsoft Azure cloud.
* Worked on Spark in building BI reports using Tableau.
* Create the Virtual Machine cluster and load balance for VMs using PowerShell in SQL & Windows Environment.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services ( PaaS role instances) into secure VNets and subnets.
* Created Ansible cloud modules for interacting with Azure services which provides the tools to easily create and orchestrate infrastructure on Azure and automated cloud-native applications in Azure using Azure microservices such as Azure functions and Kubernetes on Azure.
* Involved in building the Web API to perform all the CRUD operations. And used new Azure API management for security, throttling, analytics, monitoring, and alerts.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs, and subnets.
* Hands-on experience with Snowflake utilities, Snowflake SQL, Snow Pipe, etc.
* Worked in Snowflake advanced concepts like setting up Resource Monitors, Role Based Access Controls, Data Sharing,
* Responsible for Bit locker full disk encryption management, Enabled and configured BitLocker drive encryption on all laptops.
* Tested and Deployed existing security patches via Microsoft Intune for workstations.
* Expertise in Azure infrastructure management (Azure Web Roles, Worker Roles, SQL Azure).
* Script, debug, and automate PowerShell scripts to reduce manual administration tasks and cloud deployments.
* Configure Implement, Secure, and support Virtual Networks and best security practices for single and multi-regional data centers.
* Deployed the packages on staging and production. Monitored jobs and supported Azure Data Lake production environment.
* Azure AD - Implemented Azure AD using AD connect, configured SSO and multifactor Authentication
* Also configured SSO from Window 10-based computer which is joined to Azure AD. Implemented and managed AD synchronization.
* Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Designed, configured, and deployed Microsoft Azure for a multitude of applications utilizing the Azure (Including Compute, Web & Mobile, Blobs, ADF, Resource Groups, HD Insight Clusters, Azure SQL, Cloud Services, and ARM), focusing on high-availability, fault tolerance, and auto-scaling.
* Skilled in leveraging Databricks to perform large-scale data processing and analytics, optimizing ETL pipelines using Apache Spark for high-performance data handling
* Proficient in developing end-to-end data pipelines on Databricks, including data ingestion, transformation, and visualization, ensuring seamless integration with cloud data warehouses and other Azure/AWS services.
* Implemented and deployed machine learning models using Databricks' MLlib, TensorFlow, and Keras, with a focus on scalable and efficient model training for production use cases
* Expertise in optimizing Spark jobs on Databricks for cost and performance, including fine-tuning cluster configurations, caching strategies, and performance monitoring to enhance data processing efficiency.

Environment: C#.NET, ASP. Net, Compute, NET/C# code, Web API technology, AWS, ASP.NET, GitHub, Jenkins, Jfrog, Azure CLI, CRUD, Network Security Groups (NSGs), Compute, Web & Mobile, Blobs, ADF, Resource Groups, HD Insight Clusters, Azure SQL, Cloud Services, and ARM), focusing on high-availability, fault tolerance, auto-scaling.

**Client: Molina Healthcare, Irving, Texas Sep 2021 – Dec 2022**

**AWS Cloud Engineer**

**Responsibilities:**

* Built and configured EC2 instances on the AWS cloud platform, configured Elastic Load Balancer for traffic control for the EC2 and S3 buckets.
* Worked with AWS S3 and IAM services, created S3 buckets, and configured them with permissions, logging, versioning, and tagging and created new IAM users and groups, defined roles, and policies, and identified providers.
* Configured IAM roles for EC2 instances and assigned them policies granting special-level access to the S3 bucket.
* Created S3 buckets and bucket policies and utilized S3 buckets and Glacier for storage and backup on AWS. Configured AWS IAM and security Groups in Public and Subnets in VPC.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Captured snapshots for AIM (Amazon Machine Images) of EC2 instances to create clone instances for running instances.
* Implemented a 'serverless' 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.
* Secured Data is stored in MySQL. Vault (by HashiCorp) secures, stores, and tightly controls access tokens and passwords used by the overall platform, started in the AWS cloud and currently integrates with several services like AWS AIM, Amazon DynamoDB, Amazon SNS, and Amazon RDS.
* Implemented Elastic Load Balancer (ELBs) and Auto-scaling groups in AWS on production EC2 instances to build Fault-Tolerant and highly available applications.
* Provided implementation transition of EMR systems for providers and associated end users.
* Implemented a serverless architecture using API Gateway, Lambda, and DynamoDB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda deployment function, configured it to receive events from our S3 buckets and provisioned Lambda functions to create a Log stash for centralized logging.
* Launched database for MySQL and Oracle using RDS in multiple Availability Zones, set up monitoring for CPU utilization and limited DB connections by implementing alarms using Cloud Watch.
* Registered domain names and configured Route 53 to route internet traffic for our domains and finally configured Route 53 to check the health of our resources.
* Experience in implementing Data warehouse solutions in AWS Redshift, worked on various projects to migrate data from one database to AWS Redshift, RDS, ELB, EMR, Dynamo DB, and S3.
* Designed AWS Cloud Formation templates to create custom-sized VPC, subnets, and NAT to ensure
* successful deployment of web applications and database templates.
* Created AWS VPC network for the installed instances and configured the Security Groups and Elastic IPs accordingly.
* Cloud Computing: Deliver demos, influence architecture decisions, guide customers through proof-of-concept deployments, and educate customers about IaaS best practices.
* Designed, Architected, and implemented the Platform as a service built for a Multi-tenant platform within
* The hybrid cloud infrastructure within AWS.
* Experience in migrating and implementing of multiple video applications from on-premises using AWS services like SMS, SQS, DynamoDB, RDS, AWS Aurora, Cloud Management Platforms with Cloud Formation, Glaciers Archiving Service, Lamba Serverless.
* Launched AWS and Open Stack instances (SUSE/ Ubuntu/ CentOS) and Configured launched instances with respect to specific applications.
* Used Ansible as a configuration management tool to automate repetitive tasks and to quickly deploy
* critical applications, by using Ansible playbooks, modules, and roles.
* Used Ansible Tower, which provides an easy-to-use dashboard and role-based access control, so that it is easier to allow individual teams access to Ansible for their deployments.
* Experience in building/Managing private clouds with Open stack.
* Worked on creating inventory, job templates, and scheduling jobs using Ansible tower and writing Python modules for Ansible customization.
* Integrated Ansible dynamic inventory for the Virtual box, Open stack, AWS EC2, Docker for full automated deployment in all the environments to support scaling required. Wrote Ansible playbooks for different automation.
* Used Docker to virtualize the servers for the Dev and Test environment needs, implemented Docker containers to configure automation and for creating various environments to deploy the application which reduce cost for the enterprise.
* Maintained Openstack Performance tuning of VMware servers and management of server resources between Virtual Machines and experienced with oracle businesses to plug into the cloud.
* Integration pipeline for Angular application on OpenShift environment leveraging the docker images of various devops tools available on Docker Hub.
* User level experience in Docker and integrating docker with Openstack Nova .
* Experience in continuous integration by using Docker le and Jenkins file with Groovy script with Declarative and script pipe line.
* Working with VMWARE on handling multiple applications on virtualized environments.
* Configured Docker containers by creating Docker Compose files and pushed the Docker Images onto EC2 instances from Docker-Registry to deploy the applications using both Kubernetes and Docker Swarm .
* Experience in working with container-based deployment and orchestration tools such as Dockers and OpenShift.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, config Maps,
* and deployments. Managed Kubernetes charts using Helm and created reproducible builds of the Kubernetes applications and managed Kubernetes manifest files.
* Creating fully automated CI build and deployment infrastructure and processes for projects Using Docker, Jenkins, VMware, RHEL, Satellite, Open Stack, Kubernetes, Artifactory, Ansible &GitLab.
* Designed and automated CI/CD pipelines using Jenkins, Azure DevOps, and GitLab for seamless code integration and deployment.
* Implemented Terraform and Ansible for automated infrastructure provisioning and management.
* Integrated automated testing frameworks (JUnit, Selenium) within CI/CD pipelines to enhance code quality.
* Deployed and managed containerized applications using Docker and Kubernetes for scalable and efficient deployments.
* Expert in Git-based workflows, enabling streamlined code versioning, branching, and release management.

Environment: Git, SVN, Maven, Ant, Jenkins, Bamboo, Chef, Ansible, Terraform, Docker, Kubernetes, JBoss , Tomcat, ELK, Agile/Scrum, SDLC, Nginx, S3, EC2, ELB, EBS, Route 53, DNS, VPN , SQS, EMR, CloudWatch, Auto Scaling, Snow Ball, CloudFormation, IAM, Azure, Nagios, JIRA, Ruby, Shell, Python scripts.

**Client: GE Healthcare New York, NY Nov 2017 to June 2021**

**Site Reliability Engineer (SRE)**

**Responsibilities:**

* Built and migrated applications on Microsoft Azure Cloud Platform on different cloud services offering cloud solutions like IaaS and PaaS Azure Platforms and Automation processes within Azure via portal and PowerShell including Run Books and Scheduling Automation.
* Installed and Configured ADFS for efficient and secure SSO to applications and systems between on- premises and Azure AD.
* Written numerous ARM templates for template-only deployment procedures and automated some template deployment through Azure Functions.
* Setup security pipeline for vulnerability management and auto-remediation using Azure Security Center and automate remediations with Azure Functions.
* Created and deployed VMs on the Microsoft cloud service Azure, created and managed the virtual networks to connect all the servers and designed ARM templates for Azure platform.
* Implemented Network traffic rules and Access Control Lists (ACL) for Virtual Network in Microsoft Azure Cloud Service Platform.
* Experienced in Provisioning of IAAS & PAAS Virtual Machines and Web\Worker roles on Microsoft AZURE Classic and AZURE Resource Manager.
* For automation in Azure configured Azure Runbooks of type PowerShell work ow which allowed the
* use of Parallel Processing to perform multiple actions in parallel.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services ( PaaS role instances) into secure VNets and subnets.
* Implemented Azure Data Factory pipelines, Datasets to copy and transform data in bulk via Data Factory UI and PowerShell by scheduling and exporting data.
* Configured and deployed Chef Server including bootstrapping of Chef Client nodes for provisioning, created roles , recipes, cookbooks and data bags for server configuration.
* Written Chef Cookbooks using several of its components like attributes, les, recipes, resources , and templates , validated them with test kitchen and configured recipes and cookbooks to install and configure node.js on number of servers.
* Written wrapper scripts to automate the deployment of Chef Cookbooks on nodes and running the Chef Client on them in a Chef-Solo environment . Automated the cloud deployment using Chef, Python , and AWS Cloud Formation Templates .
* Developed PowerShell scripts to automate the project creation, setting permissions for users, groups in TFS .
* Designed, installed and implemented Ansible configuration management system , written Ansible playbooks and deployed applications. Used Git to store the code, integrated Ansible Tower with Git to deploy the Playbooks .
* Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications. Written Ansible Playbooks with Python SSH as the wrapper to manage configurations of AWS nodes , tested Playbooks on AWS instances using Python .
* Worked on several Docker components like Docker Engine , Docker Hub , Docker Compose , Docker Registry and Docker Swarm . Created Docker images and handled multiple images primarily for middleware installations and domain configurations .
* Extensively worked on Docker service rolling updates to implement zero downtime PROD deployments.
* Worked with Docker container snapshots , attaching to a running container, managing containers,
* directory structures and removing Docker images . Used Docker Swarm to maintain the cluster of containers and written a Docker compose file in YAML to spin up the containers at the same time.
* Developed automation of Kubernetes clusters with both Fleet and Ansible, evaluated Mesos/Marathon and Kubernetes for Docker container orchestration. Managed local deployments in Kubernetes .
* Supported the process of first-time configuration of Web Applications using Vagrant along with Chef and Ansible for provisioning.
* Automated the test scripts using Visual Studio Team Services VSTS framework with MTM interface integration and Coded UI.
* Configured Jenkins as a CI engine to build and promote applications to QA, UAT and Staging environments and integrated Jenkins with Ant and Maven to schedule the builds.
* Designed and created multiple deployment strategies using Continuous Integration, Continuous Development pipelines and configuration management tools with remote execution to ensure zero downtime and shortened deployment cycles via automated deployments.
* Involved in writing Maven build scripts for generating Java-based artifacts such as JAR, WAR and EAR and set up automated nightly build environment for Java projects.
* Managed the source code control of multiple development efforts using Clear Case, Subversion, TFS, Git, Github and CVS version control tools.
* Used decentralized and distributed version control system GIT to effort collaboration with the developers. Designed and implemented Subversion and GIT metadata including elements, labels, attributes, triggers, and hyperlinks.
* Supported Deployments into PROD & Pre-Prod environments with multiple Application server technologies like WebLogic, JBoss and Apache Tomcat.
* Designed an ELK system to monitor and search enterprise alerts. Installed, configured and managed the ELK Stack for log management within EC2/ELB for Elastic Search .
* Built and managed a highly available monitoring infrastructure to monitor different application servers and its components using Nagios , with Chef Automation.
* Created JIRA issues to prioritize and take action on what’s important and stayed up to date with what’s going on around the project.
* Led the modernization of legacy mainframe applications, migrating workloads to AWS cloud infrastructure using services like AWS Mainframe Migration, EC2, and RDS to ensure high availability and scalability.
* Designed and implemented integration solutions for hybrid environments, connecting mainframe systems to AWS cloud services like S3, Lambda, and API Gateway for improved data processing and real-time analytics.
* Successfully migrated mainframe databases (DB2, IMS, etc.) to AWS using AWS Database Migration Service (DMS) and other ETL tools, ensuring seamless data transfer with minimal downtime.
* Utilized AWS Batch and Step Functions to optimize and orchestrate batch job processing that was previously handled on mainframes, resulting in improved efficiency and reduced processing time.

Environment: GIT, Subversion, Maven, ANT, Chef, Ansible, Docker, Jenkins, Bamboo, Kubernetes, Vagrant, Terraform, Cloud Watch, Cloud Formation, VPN, DNS, Cloud, SQS, EMR, EBS, DynamoDB, SDLC, Nginx, JIRA,ELK, IAM, Snow Ball, JBoss , and Tomcat

**Client: Value Labs, Hyderabad, India Aug 2014 to Dec 2016**

**DevOps Engineer**

**Responsibilities:**

* Worked with IAM service creating new IAM users and groups , defining roles, policies and identify providers . Created S3 buckets , configured buckets with permissions, logging, versioning , and tagging .
* Created snapshots and AMIs of the instances for backup and creating clone instances . Created custom-sized VPC , subnets, NAT to ensure successful deployment of Web Applications and database templates .
* Worked on end to end setup of the Artifactory pro as a Docker container with a secure private Docker registry and local Docker repositories for storing the built images. Worked on deployment automation of all the Microservices to pull the image from the private Docker registry and deploy to the Docker swarm .
* Developed Chef Cookbooks , Recipes, Resources and Run lists, managed Chef Client nodes and uploaded cookbooks to Chef Server using workstation.
* Automated weekly releases with ANT/Maven scripting for compiling Java code , debugging and placing builds into Maven repository .
* Installed, Configured and administered Jenkins CI tool on Linux machines.
* Automated all the infrastructure workflows using Terraform and Jenkins
* Maintained Subversion and GIT repositories , proposed and implemented branching strategy suitable for agile/scrum development for automating builds with Jenkins .
* Administrated and Engineered Jenkins for managing weekly Build, Test and Deploy chain , SVN/GIT with Dev/Test/Prod branching model for weekly releases.
* Performed a detailed analysis of the current build tools (Jenkins) used in conjunction with CVS in order to recreate the build process in the new Git environment.
* Created Jenkins pipelines involving several Downstream/Upstream job configurations based on dependencies from other applications and based on release methodologies.
* Working on SCM management of GIT/GitHub in bash link repository creating, commit, branch, merge etc.
* Extensively worked in monitoring infrastructure to identify and troubleshoot issues on servers using tools like Nagios, Splunk , and JIRA .
* Generated scripts for effective integration of JIRA applications with other tools and customized JIRA
* projects with various schemas , screen schemes , permission schemes , complex workflows and notification schemes .
* Built and deployed Java/J2EE applications on JBoss applications server in agile continuous integration environment and automated the whole process.
* Led Scrum ceremonies within DevOps teams, including sprint planning, reviews, and retrospectives to enhance delivery cycles
* For backlog management, sprint tracking, and task allocation to ensure streamlined workflows.
* Integrated CI/CD processes with Scrum workflows to enable faster, iterative deployments and continuous feedback loops

Environment: GIT, SVN, Jenkins, Maven, ANT, Docker, Chef, JBoss, Java/J2EE, Cassandra, MySQL, JIRA, Nagios, Python, Perl, and Shell scripting.