**VIJAY M**

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Description automatically generated with low confidence 

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**CAREER OBJECTIVE:**

To secure a responsible and challenging position to use my skills and capacities in industry that offers proficient development while being creative, inventive, and adaptable with brilliant relational abilities, self-motivated, ability to handle various assignments and willing to learn innovative technologies. Committed to professionalism, highly organized, result-oriented with attention to detail; have excellent written and verbal communication skills.

**PROFESINAL SUMMARY:**

* Experience in working with **Azure IaaS - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling**. And Migrated existing **Active Directory** and Exchanged users to **Microsoft Azure AD** using **Azure AD Connect, Active Directory Federation Service** and **DirSync tools**.
* Experience in **Azure Availability** and **Scalability** and Configured VMs availability sets using Azure portal to provide resiliency for **IAAS** based solution and scale sets using **Azure Resource Manager** to manage network traffic.
* Expertise in deploying **microservices**, application development, and upgradation using Azure services such as **Azure DevOps**, Container Services (AKS/EKS), **Azure App Services**, MySQL DB, **Grafana**, **Azure pipelines**, **RBAC**, and monitoring clusters**.**
* Hands on experience on Implementing **microservices**, application development, and migration using AWS/Azure services such as **Azure DevOps Pipelines**, **Azure Kubernetes Service (AKS)**, **Azure Container Registry** (ACR), **Cosmos DB**, Azure Monitor, RBAC, Kubernetes (EKS) and **Kubernetes API** to run workloads on EKS Clusters.
* Strong knowledge of **Azure Storage services**, including **Azure Blob Storage**, **Azure File Storage**, and **Azure Table Storage**, for implementing cost-effective and scalable storage solutions in the cloud.
* Experience in implementing and managing **Azure SQL Database**, **Azure Cosmos DB**, and other Azure database services for building cloud-based data solutions with high availability, performance, and security.
* Managed **Azure Kubernetes Service (AKS)** using **Helm charts**. Created reproducible builds for **Kubernetes applications**, templatize **Kubernetes manifests**, providing a set of configuration parameters to customize the deployment and Managed releases of **Helm packages**
* Deployed **Kubernetes Clusters** on cloud/on-premises environments with master/minion architecture and wrote many **YAML** files to create many services like **pods, deployments, auto scaling, load balancers, health checks, Namespaces** etc.
* Experienced in **Bluegreen** Deployment in the production Environment. Managed **Kubernetes cluster** in the rollback and rollouts methods in the deployment strategies.  Integrated **Istio** and **Helm** packages with Kubernetes clusters for the **Service mesh**.
* Created networking policies for **Docker** containers and utilized open-source development tools such as **Docker Containers** and **Kubernetes** to streamline container networking. Successfully deployed multiple **Kubernetes clusters** in production using **Terraform** scripts and resolved networking-related issues.
* Assisted with provisioning virtual development environments using **HashiCorp** tool Vagrant, by creating and configuring them to support development workflows effectively. Troubleshot networking issues to ensure smooth operations of virtual environments.
* Utilized **Terraform** to implement large-scale environments by designing and implementing custom **Ansible playbooks** for seamless deployment orchestration. Developed **Ansible Playbooks** to automate routine server administration tasks, leveraging **Ansible Tower** for efficient deployment management.
* Configured **Chef servers**, worker nodes & bootstrapping **Chef nodes** for configuration management also proficient in creating **Chef Templates**, Recipes, **Cookbooks**, Resources, Knife, Roles, Attributes & Data bags.
* Strong troubleshooting skills for identifying and resolving issues related to **Azure DevOps pipelines**, build failures, deployment errors, and integration issues with other **Azure services** and tools.
* Setting up build and release pipelines (**CI/CD**) in **Azure DevOps** in both classic and code-based pipelines(yaml) by leveraging **variable groups**, **Task groups** and different **Service Connections**.
* Created **CI/CD** pipelines for **.NET**, **Nodejs**, **Python** Apps in Azure DevOps by integrating source codes **GitHub**, **VSTS**, and artifacts
* Extensive experience in supporting **Azure Infrastructure as Code (Iac)** pipelines using **Terraform** templates, Azure Resource Manager (ARM Templates), **PowerShell** scripting and codification of VM Configuration management using Chef/Cookbooks/Ruby and Ansible/Playbooks/Yaml.
* Maintained core **AWS services** such as Setting up new server (EC2) instances/services in **AWS**, configuring **security groups**, and setting up Elastic IP's, **Auto-scaling** and **Cloud Formation** and used **Lambda function**. Monitored and maintained the **AWS S3 buckets** which contained all the packets of each build.
* Intensive Experience on admin and operational related tasks by creating users, different repositories (local, virtual, and remote) in **Jfrog Artifactory** and automated the process to create a service account, repositories, permission targets, API key generation etc. and support teams for their ci/cd pipeline set up.
* Experienced on setting up **SonarQube** application hosting on on-premises server from scratch like Installing **SonarQube** application, Certificate installation, Apache proxy settings and database connectivity etc and good experience on hosting in **Azure Kubernetes Service**.
* Carried automated Deployments and builds on various environments using **continuous integration** (**CI**) tool **Jenkins**. Used **Git** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **Maven** and **Ant.**
* Architected and created a highly scalable multi-cloud platform using Kubernetes, as the primary control plane component, and open-source tools such as **ISTIO**, **Key cloak**, **NGINX**, Prometheus, **Grafana** and others.
* Experience in scripting languages like **Bash-Shell, Python, PowerShell, java, Ruby, Nodejs**. Written Various automation scripts to provisioning different Azure Services using NodeJS scripting.
* Experience on **Jenkins** to build and run **Terraform** jobs to create infrastructure in AWS based infrastructure automation through Terraform, Chef, Python, Bash scripts managing security.
* Experience working on **Docker hub**, creating **Docker images,** and handling multiple images primarily for middleware installations and domain configuration.
* Hand on experience with **JIRA**, **Confluence** tools, single point of contact for support, customization, and implementation from USI team.
* Proficient in **Jira** as bug tracking system and configured various **workflows, customizations and plug-ins** for **Jira** and integration of **Jenkins** with **Jira/GitHub.**
* Implemented **Splunk** integrations with various DevOps tools and services, such as Jenkins, Docker, Kubernetes, AWS CloudWatch, and Azure Monitor, to enable seamless log aggregation and monitoring across the DevOps pipeline Assist with design of core scripts to automate **Splunk** maintenance and alerting tasks. Support **Splunk** on Unix, Linux and Windows-based platforms and assist with automaton of processes and procedures.

**TECHNICAL PROFICIENCY:**

* **Cloud**: Microsoft Azure, AWS.
* **Configuration Management Tools**: Ansible, Chef.
* **Container Orchestration Tools**: Docker Swarm, Kubernetes, Azure Kubernetes Service, Azure Container Instance.
* **Infrastructure as Code (IaC) Tools**: Terraform, ARM templates, Cloud formation templates
* **DevOps Tools**: Artifactory, SonarQube, Launch Darkly, Pulse, Packer, Docker, Azure DevOps.
* **Monitoring Tools:** Log Analytics Workspace, Event Hubs, Splunk, Dynatrace, Nagios.
* **Source Code Management Tools:** Git, GitLab, GitHub, Azure Repos.
* **Testing Tools:** Selenium, Ready API.
* **Ticketing Tools:** Version one, Jira, Azure Boards, ServiceNow.
* **CI/CD:** Gitlab pipelines, GitHub Actions, Jenkins, Azure Pipelines.
* **Scripting Languages**: Python, Ruby, Shell, PowerShell, NodeJS Scripting.
* **Communication Channels**: Teams, Skype, Slack, Yammer.
* **Operating Systems**: RHEL 4.x, 5.x, 6.x,7.x, Centos 4/5/6/7, Windows Server 2003/2008/2016/2019, Ubuntu 18.04/20.04.

# PROFESSIONAL CERTIFICATIONS:

**Microsoft Certified**: [Azure Administrator Associate](https://www.credly.com/badges/13504f73-4d86-4146-92b5-065803b868fd/public_url)

**Microsoft Certified**: [DevOps Engineer Expert](https://www.credly.com/badges/3ba4daaf-4d27-48ca-9104-cbda1ff0275c/public_url)

**Microsoft Certified**: [Azure Developer Associate](https://www.credly.com/badges/ecd0452c-34c4-4a14-807b-ad353f7fba2b/public_url)

**CKA**: [Certified Kubernetes Administrator](https://www.credly.com/badges/b9a4da73-a8ea-4c48-8f71-8e894a0eadc7/public_url)

**PROFESSIONAL EXPERIENCES:**

**Senior Cloud DevOps Engineer** July 2021 to till date

**The Citco Group**

**Charlotte, North Carolina**

**Responsibilities:**

* Worked with various **Azure services** like **Web Roles**, **Worker Roles**, **Azure Websites**, Caching, Azure SQL, Net worker servicers, **API** Management, **Active Directory** (AD) services infrastructure in advocating, maintaining, and monitoring. **Azure Active Directory** (AAD) infrastructure incorporated with periodic auditing, troubleshooting and performance.
* Worked with **Version Control**, **Build & Release** Management and **Deployments** of the Solutions to the DEV, QA &PROD Environments leveraging **Azure DevOps**/process (CI/CD) and toolsets of **Visual Studio,** **AKS** (Azure Kubernetes Service), Application Insights, Log Analytics.
* Involved in Serverless services (**Azure Functions**) where I created and configured **HTTP Triggers** in the **Azure Functions** with Application Insights for monitoring and performing the load testing on the Applications using the **Azure DevOps** Test Plans, also configured Shared **dashboards** with required metrics and logs.
* Automated **Continuous Integration** builds, **nightly builds**, **deployments**, and unit tests across multiple different environments (**DEV,** **QA**, **Training**, **Production**) each constituting different types of servers (DB, App, Web) and different number of servers of each type (for load balancing and such) using **VSTS** Build, **Power Shell**, and **MS Build**, **MS Deploy**.
* Intensively worked on creating **Terraform** golden(reusable) templates for various **Azure services** like **Virtual Machines**, **Key vaults**, **Storage Accounts**, **Azure App services**, **Azure Kubernetes services**, Automation Accounts, SQL dB’s etc. and created a sample nested **Terraform templates** as a reference to leverage golden templates for application team self-deployments.
* Managed **Azure Active Directory** to create users, groups, service principal names and multiple custom roles. Used **AAD** for Single Sign on, Authentication, Authorizations and **Azure Role-Based Access Control (RBAC)** by using **PowerShell Scripts** and used **Azure Service Bus** for communicating within devices in the **Azure** Cloud.
* Provisioned **ARM** templates into **Azure Pipelines** for customized build process in **Azure Kubernetes**

**Service** (AKS). Integrated **Azure DevOps pipelines**, **Azure Boards** with **Microsoft Teams** for Notifications.

* Implemented **Kubernetes Clusters** on cloud environments with master/minion architecture and wrote many **YAML** files to create many services like **Pods**, Deployments, Auto scaling, Load Balancers and Managed Kubernetes charts using **Helm**.
* Created **Azure Backup vault** for providing Security to the required Infrastructure using Recovery Points. Implemented **Role Based Access Control (RBAC)** for Managing Access Control for backup & recovery.
* Evaluated **Kubernetes** for **Docker** container orchestration and managed Kubernetes charts using **Helm** and created reproducible builds of the Kubernetes applications, templatize **Kubernetes manifests**, provide a set of configuration parameters to customize the deployment and Managed releases of **Helm packages.**
* Managed **Kubernetes cluster** in the rollback and rollouts methods in the deployment strategies.  Integrated **ISTIO** and **Helm** packages with Kubernetes clusters for the **Service mesh**.
* Configured Linked as a service mesh for Kubernetes cluster to make running services in **k8s** cluster easier and safer and getting control over runtime **debugging**, **observability**, **reliability**, and **security** while in **troubleshooting.**
* Responsible for implementing containerized based applications on **Azure Kubernetes** by using **Azure Kubernetes service (AKS), Kubernetes Cluster** for cluster management, Virtual Network to deploy agent nodes, **Ingress API Gateway, MySQL** Databases and **Cosmos DB** for stateless storage of external data, and setup reverse proxy **Nginx** in the cluster.
* Extensively used **Terraform** to a reliable version and created infrastructure on **Azure**. Also created resources, using **Azure Terraform modules**, and automated infrastructure management. Used **Terraform** to map more complex dependencies and identify the network issues.
* Worked on setting up **YAML** based authentication, **nginx** web server as proxy, Database connectivity etc. Hosted application in both on-premises and **cloud (**Azure Kubernetes service). Automated the process of creating projects and deleting projects when last analysis date is more than a year using **azure pipelines** by writing scripts in **NodeJS** and using rest **API** calls.
* Deployed and optimized two tier web applications to **Azure DevOps** to focus on development by using services such as **Repos** to **commit** codes, **Test** Plans to trigger application and unit test, deployed artifacts to App Service, Azure Application Insights to collects health performance and data usage of the process.
* Experienced in migrating on-premises, **.Net** apps, DevOps platform to **Azure CI/CD** processes by utilizing **ARM** templates, **Azure DevOps**, **Azure CLI**, App services to build **Repos**, **Pipelines**, Web Apps, and monitoring applications using Application Insights.
* Expertise in deploying **microservices**, application development, and upgradation using Azure services such as **Azure DevOps**, **Kubernetes Service** (AKS), Container Services, **MySQL DB**, and **Grafana**, Azure pipelines, RBAC, and monitoring clusters.
* Performed containerization of individual **micro services** using **Docker** and rolled out to upper environments. Created **Docker images** and deployed **Docker containers** for **Tomcat Servers, Prometheus, Grafana**, and **alert manager**.
* Built an entire **Docker Swarm** using a single disk image by deploying both Manager and Worker nodes during runtime.
* Created YAML pipelines for **CI/CD** by integrating **Maven, JFROG, SonarQube** using Service connections in **Azure DevOps pipelines** and created multistage pipelines for different environments such as **dev, non-prod, production**.
* Responsible for configuring alerts in Azure App Insights for monitoring and troubleshooting Azure Resources.
* Created **Ansible** **playbooks**, **inventories,** custom playbooks written in **YAML** language, encrypted the data using **Ansible Vault** and maintained role-based access control by using **Ansible Tower**.
* Working on **Ansible** to configure the servers, deploy software, and orchestrate continuous deployments or zero downtime rolling updates.
* Written **Ansible** Playbooks for zero-downtime installation, upgrading and uninstalling of various processes. Automate Datadog Integrations through **Ansible Scripts**for **QA**, **Regression** and **Prod** environments.
* Proficient in implementing and managing **Azure DevOps pipelines** for multi-stage deployments, **blue-green deployments**, and **canary deployments**, ensuring efficient and reliable application releases.
* Created **CI/CD** pipelines for **.Net, node.js, java** applications in **Azure DevOps pipelines** by integrating source codes **GitHub, VSTS** and **Artifacts** and Created deployment areas such as **Testing**, **Quality**, **pre-production**, and **production** environment
* Strong **troubleshooting** skills for identifying and resolving issues related to **Azure DevOps pipelines**, **build failures**, **deployment errors**, and **integration issues** with other **Azure services** and tools.
* Carried automated Deployments and builds on various environments using continuous integration (**CI**) tool **Jenkins**. Used **Git** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **Maven** and **Ant.**
* Configured **Jenkins** by identifying and installing required plug-ins. Wrote **Groovy scripts** to configure Build Jobs, Build Pipelines and by using **Jenkins** created a master and **slave** configuration to implement multiple parallel builds through a build farm.
* Worked on **Python** runbooks as well as **PowerShell** runbooks in automation accounts for creating and removing the projects within a Subscription.
* Written **Shell scripts** to apply the Integration label to all the files which needs manual labelling of files.
* Working on Ansible to configure the servers, deploy software, and orchestrate continuous deployments or zero downtime rolling updates.
* Implemented **SonarQube** to measure code coverage, code standard compliance, code duplication, & unit test results.
* Worked with DB Admin and **Linux** Admins for major releases.
* Designed and implemented Continuous Integration pipeline through automation with Enterprise **Git,** **Jenkins.**
* Developing **API** services in an Agile environment and developing our **REST API.**
* Working with team lead to implement **API** features, perform code maintenance, and bug fixes.
* Implemented & maintained branching with **build/release** strategies using **SCM** tools **GIT, GitLab, Subversion, Bitbucket** and experienced in **migrating Bitbucket repositories** to **GitHub.**
* Worked on Client-side hooks such as **GIT** committing and merging, server-side hooks run on network operations such as receiving pushed **GIT** commits.
* Configured and managed **SSH** on **Linux** **servers**, ensuring secure remote access an authentication
* Implemented **SSH** **key-based** **authentication** for **Linux** **servers**, improving security and reducing the need for passwords.
* Configured **SSH** access controls and restrictions, including access lists and firewall rules.
* **Environment:** Azure, Azure DevOps, SonarQube, Artifactory, Ansible, Docker, Jenkins, GIT, Python, Shell, Linux, Windows, Terraform, GitHub, Docker Swarm, Kubernetes.

**Senior Cloud DevOps Engineer Aug 2018 to June 2021**

**Cigna Healthcare**

**Bloomfield, Connecticut**

**Responsibilities:**

* Expertise in migrating the existing **v1(classic)** **Azure infrastructure into v2 (ARM)**, scripting and templating the whole end to end process. **Migrated** on-prems to Windows **Azure** by building **Azure Disaster Recovery Environment**, **Azure Recovery Vault** and **Azure Backups** from the scratch using **PowerShell script.**
* Experience in configuring **Azure PaaS** - **Azure App services** (Web Apps, Function Apps), Azure Application insights, **Azure Application gateway**, **Azure DNS**, **Azure Traffic manager**, Analyzing Azure Networks with **Azure Network Watcher**, Implementing **Azure Site Recovery**, **Azure stack**, **Azure Backup** and **Azure Automation**.
* Implemented several **POCs** (Proof of concept) on **Azure** utilization and configured resources using **Azure Key Vault** to save high critical secrets and passwords. Also, worked on **Azure App services, Azure storage, Azure SQL Database**, **Virtual Machines, Azure Key Vault, Azure AD, Azure search,** and **Azure Notification hub**.
* Created **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 **Azure** **Kubernetes** Services.
* Implemented **Azure Active Directory** for single sign-on, authentication, authorization, and **Azure Role-based Access Control** (RBAC) and configured **Azure Virtual Networks** (VNets), subnets, DHCP address blocks, **DNS** settings, Security policies, and routing.
* Implemented backup methodologies for **Azure** Services like **Key Vault, Subscriptions, Storage blobs, App Services** using **Azure PowerShell Scripts**. Created **CI/CD** Pipelines in **Azure DevOps** environments by providing the dependencies to run the pipeline jobs.
* Migrated on-premises instances to **Azure** Cloud using **ARM** subscription with **Azure site Recovery** and hands-on experience with building and installing servers through **ARM Templates**.
* Responsible for implementing containerized based applications on **Azure** by using **Azure Kubernetes Services** (AKS), **Kubernetes cluster**, which are responsible for cluster management, Virtual Network to deploy agent node, **Ingress API Gateway**, **MySQL** Databases and **Cosmo DB** or stateless storage of external data, and setup revere proxy **Nginx** in the cluster.
* Built **CI/CD pipeline** with **Azure DevOps** for **Kubernetes containers**, utilizing **Kubernetes** and docker for the runtime environment for the **CI/CD** system to build test and deploy on DEV and PROD environments.
* Worked on **Kubernetes** for creating Projects, Services for **load balancing** and adding them to *Routes* to be accessible from outside, Creation of **Pods** through new application and control the **scaling of pods**, troubleshooting pods through **SSH.**
* Used **Kubernetes** to manage containerized applications using its **nodes, Config Maps, selector services** and deployed application containers as **Pods** and Created **Clusters** using **Kubernetes** and worked on creating many **pods, replication controllers, services, deployments, labels, health checks** and **ingress** by writing **YAML** files.
* Executed **Kubernetes** locally with Minicube, created local clusters and deployable application Containers and Implemented **Microservices** in load balanced, highly available, fault tolerant **Kubernetes** infrastructure.
* Worked with Scheduling, Deploying, and managing container **replicas** onto a node cluster using **Kubernetes** and implemented cluster AutoScaler for **AKS.**
* Created **Clusters** using **Kubernetes** and worked on creating many pods, replication controllers, services, deployments, labels, health checks and ingress by writing **Yaml files**. Setup **Nginx** Ingress controller to manage the **ingress/egress** routing rules for Kubernetes.
* Experienced in configuring **JSON/YAML**-based AWS CloudFormation Templates to build and create multiple **AWS services** for Continuous deployment of applications in prod environment as **Docker containers** and **Kubernetes pods** and **nodes.**
* Proficient in several **Terraform** modules for infrastructure management, **terraform scripts** to set up AWS resources EKS, VPC, EC2, AMI, Images, **Redshift** cluster, ELB, and automate the deployment & infrastructure.
* Developed **Continuous Deployment pipeline** by integrating **Jenkins** with **Terraform**, Developed Modules in **Terraform** to trigger the Infrastructure on the **Azure.**
* Created and maintained **Continuous Integration** (CI) using tools **Azure DevOps** (VSTS) over multiple environments to facilitate an **agile** development process which is automated and repeatable, enabling teams to safely deploy code in **Azure Kubernetes Services** (AKS) using VSTS by **YAML scripting**
* Created **Azure DevOps pipeline** **CI/CD** jobs for end-to-end automation to build, test and deliver **artifacts** and troubleshoot the build issue during the **Azure pipeline** build process.
* Created **CI/CD** pipelines for **.NET**, **Nodejs**, **Python Apps** in **Azure DevOps** by integrating source codes **GitHub**, VSTS, and artifacts.
* Devised **Terraform** to deploy the infrastructure necessary to formulate development, test, and production environments. Configured **Azure VPN gateway** and established Site-to-Site connectivity, **Express Route** with on premise Networks and **Azure**.
* Worked on **Power Shell scripts** to automate the **Azure Cloud** system in creation of VM, Resource groups, Azure Storage Blobs & Tables, **firewall** rules and used **Python scripts** to automate day to day administrative tasks Automated and orchestrated workloads using **ARM Templates** over Microsoft Azure.
* Worked on **Monitoring services** like log analytics workspace, Event hubs, Activity log alert, Alert rules, Services health etc. I implemented SOC integration by automating **Log Analytics** and Event Hubs and creation of Shared access signature token for Event hubs and storage accounts and Enabled diagnostics settings for all services to send/stream the logs.
* Developed and maintained **chef cookbooks** to automate provisioning of infrastructure (i.e... Installation and configuration of packages) to prepare DEV, Test, Prod environments and deployed using **ARM Templates**.
* Monitoring virtual machines - Monitor and create alerts, configured diagnostic and storage monitoring.
* Worked on **Python** runbooks as well as **PowerShell** runbooks in automation accounts for creating and removing the projects within a Subscription.
* Configured C**hef servers**, worker nodes & bootstrapping **Chef nodes** for configuration management also proficient in creating **Chef Templates**, Recipes, **Cookbooks**, Resources, Knife, Roles, Attributes & Data bags.
* Work on **ELK** for server monitoring, also used **Net Scalar** and monitoring tools like **Nagios** for **Load Balancing** and Controlling Flow of Traffic.
* Working on building the **subscriptions** from scratch which includes all **Azure** resources along with the action groups, setting up alerts using different scripts and **ARM** templates.
* Wrote **ARM** templates to deploy services (GitLab and SonarQube) on to Azure infrastructure.
* Used tracking tool **JIRA** and triaged the issues and maintained bugs using **JIRA tool**. Maintained JIRA for tracking and updating project defects and tasks ensuring the successful completion of tasks in sprint.
* I wrote the ansible playbooks which is the entry point for **Ansible** provisioning, where the automation is defined through tasks using **YAML format.** Run Ansible Scripts to provision Dev servers.
* Experience in using **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 use **Ansible** for their deployments.
* working on version control systems like **GIT** and subversion and using source code management client tools like Visuals, **GIT** **BASH**, **GIT** **HUB**, **GIT** **LAB**, **Bitbucket**, and other command line applications.
* Maintained **Bitbucket** Repositories which includes **Jenkins** for Integration, creating new repositories, enabling **GIT** to ignore, branching, merging, creating pull requests, and the access control strategies from **Bitbucket** and **JIRA** for the collaboration.
* Worked on **GitLab** Admin Area to assign permission for Users and created **GitLab** System Hooks for changing the existing information in servers.
* Collaborated with development teams to manage **SSH** access to development and testing environments, ensuring secure and controlled access.
* Troubleshot and resolved **SSH** connectivity and authentication issues on **Linux servers**.

**Environments:** Azure, Chef, Gitlab CI/CD, Gitlab runners, Git, Artifactory, Nodejs, PowerShell, Python, Ruby, JSON, ARM templates, Jenkins, Docker, Selenium, VersionOne etc.

**AWS DevOps Engineer Dec 2016 to Aug 2018**

**Conduent**

**San Antonio, Texas**

**Responsibilities:**

* Created **AWS Cloud Formation** template by using **JSON/YAML** and implemented **Tomcat** and **Apache** Web servers for deployment and coordinated with offshore and onshore teams for production, also created **CRON** job for recovering crucial data of production by using **AWS REST API** to store on **Dynamo DB**.
* Provided **SME** in all areas of Cloud (laaS, PaaS, SaaS) to existing and perspective clients on multiple cloud platforms **AWS** and various **PaaS** platforms (Cloud Foundry/Open Shift).
* Expertise in creating an **AWS** **Virtual Private Cloud** (**VPC**) with multiple subnets and deployed application and Worked with **Terraform** for automating **VPC's, ELB's**, **Security groups**, **SQS queues**, **S3** buckets and continuing to replace the infrastructure as a code from scratch and Created **Terraform** Scripts for EC2 instances, **Elastic Load balancers** and **S3 buckets.** database servers with different Security Groups**, N/W ACLs, NAT** Gateways to serve the purpose of security.
* Used **AWS Elastic Beanstalk** for deploying, scaling web applications and services developed with **Java, PHP, Node.js, Python** app Deployments using SDK’s and worked on **AWS lambda** with **Amazon kinesis**. Deployed **Ansible** modules to provision and manage **AWS EC2 instances**, **volumes, DNS**, and **S3**.
* Migrated the **MySQL** database from on-premises to **AWS Aurora RDS**, thereby enabling automatic extending the storage of the system. Used **AWS Data migration** services to combine databases together, thereby enhancing data compatibility
* Implemented automated way to create **S3 buckets** in AWS using troposphere and cloud formation templates. Strong network and security knowledge related to both AWS hosted services and on-premise datacenters.
* Worked in Cloud Automation using **AWS cloud formation** templates and implemented automated local user provisioning instances created in **AWS cloud**.
* Written **Cloud Formation Templates** (**CFT**) in **JSON** and **YAML** format to build the **AWS** services with the paradigm of Infrastructure as a Code (**IaaS**).
* Responsible for provisioning, maintaining, and improving upon server infrastructure, split between physical data centers and AWS.
* Provisioning environments in **AWS cloud**, building everything in **Chef.**
* Assisting in the incident management process by reviewing production data and providing analysis on customer-impacting incidents.
* Deployed and hosted the application on AWS using OpsWorks, automated single click deployment onto AWS using **Chef**.
* Administrated and monitored activities for SVN, GIT, TFS, Perforce, UCM Clear case and CVS.
* Designed and Developed **Bamboo** Build deployments on **Docker containers**.
* Developed bamboo Plans for Maven builds, creating them on bamboo and running them.
* Used **Puppet** for deployment to make easier by avoiding writing scripts.
* Maintained build related scripts developed in **ANT**, **Python**, and **shell**. Modified build configuration files including Ant's build.xml.
* Installed and configured **Splunk** for log monitoring and forwarded system stats to Splunk. Experienced in setting up and maintaining auto-scaling **AWS** **Stacks** using Cloud Formation and Scripting.
* Experienced in Branching, Merging, Tagging, and maintaining the version across the environments using SCM tools like **GIT** and **Subversion** (SVN) on **Linux** platforms. Helped customers deploying their applications in **AWS** **cloud** using Ops works (managed Chef), Code deploys, **Elastic** **beanstalk**, troubleshooting customer cloud formation stacks.
* Created **Cloud watch** alarms and cloud trail audit systems to maintain granular control over the AWS account.
* Created **Python** tooling for the display of service health status of cloud components. Managed and designed integrated **build pipelines** using continuous integration workflows such as **Jira**, **Git,** **Stash**, **Bamboo**, **Jenkins**, **Docker**, **Artifactory**, **Nexus**.
* Competent extent of skills on **DevOps** essential tools like **Chef**, **Ansible**, **Docker**, **Subversion** (SVN), **GIT**, **Hudson**, **Jenkins**, **Ant**, **Maven**.
* Expert in **Chef**, **Puppet** as Configuration management tool, to automate the repetitive tasks, quickly deploy critical applications, and enthusiastically managed the changes.

**Environments:** AWS, Kubernetes, Terraform, Ansible, GitHub, Git, Jenkins, Maven etc.

**DevOps Engineer** **Jan 2016 to Nov 2016**

**Ness Digital Engineering**

**Hyderabad, India**

**Responsibilities:**

* Worked on build and deployment automation for **Terraform scripts** using **Jenkins.**
* Involved in using **Terraform** and **Ansible**, migrated legacy and monolithic systems to **Amazon Web Services**.
* Experience with container-based deployments using **Docker,** working with **Docker images**, **Docker Hub** and **Docker** registries and **Kubernetes.**
* Used **Bash** and **Python**, included Boto3 to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting EBS volumes backing AMIs and scheduling Lambda functions for routine AWS tasks.
* creation and maintenance of build jobs and Kubernetes deploy and services.
* Involved heavily in building the **CI/CD pipeline** using **Jenkins**, **Maven**, **Nexus**, **GitHub**, **CHEF**, **Terraform** and **AWS**.
* Experience in Virtualization technologies like **VMWare**, Vagrant and worked with containerizing applications like Docker, Kubernetes.
* Continuing architectural changes to move software system offerings to a distributed, service-based architecture utilizing **Docker** and **Kubernetes** technologies.
* Installed and configured **Splunk** for log monitoring and also forwarded system stats to **Splunk**.
* Experienced in setting up and maintaining auto-scaling **AWS Stacks** using Cloud Formation Scripting.
* Experienced in **Branching**, **Merging**, **Tagging,** and maintaining the version across the environments using **SCM** tools like **GIT** and **Subversion** (SVN) on **Linux** platforms.
* Created **Python** tooling for the display of service health status of cloud components.
* Managed and designed integrated build pipelines using continuous integration workflows such as **Jira**, **Git**, **Stash**, **Bamboo**, **Jenkins**, **Docker**, **Artifactory**, **Nexus**.
* Competent extent of skills on **DevOps** essential tools like **Chef**, **Ansible**, **Docker**, **Subversion** (SVN), **GIT,** **Hudson**, **Jenkins**, **Ant**, **Maven**

**Build & Release Engineer Mar 2015 to Dec 2015**

**OSI Consulting**

**Hyderabad, India**

**Responsibilities:**

* Setting up, configuring, and troubleshooting **TCP/IP**, **DHCP**, **DNS**, **CIFS**, **NTP**, and **Samba** servers on different multi-platforms (Windows, Linux)
* Experience in migrating physical **Linux/Windows** servers to cloud (AWS).
* Created Cloud Formation templates for deploying AWS resources though **Jenkins**.
* Leveraged cloud services such as **EC2**, auto-scaling and VPC to build secure, highly scalable, and flexible systems that handled expected and unexpected load bursts.
* Implemented automated local user provisioning instances created in **AWS** **cloud**.
* Maintaining the user accounts (IAM), **RDS**, **Route** **53**, SES and SNS services in AWS cloud.
* Provide highly durable and available data by using S3 data store, versioning, lifecycle policies, and create **AMIs** for mission critical production servers for backup.
* Installing **RedHat** **Linux** using kickstart and applying security polices for hardening the server based on the company policies.
* Developed **Shell/Python** Scripts for automation purpose.
* Used **Puppet** to automate Configuration management and to manage Web Applications, **Config** Files, Data Base, Commands, Users Mount Points and Packages.
* Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Used **Puppet** for application automatic deployment and provisioning to different environments.
* Installing, configuring, and administering **Jenkins** **CI** tool on **Linux** **machines**. Developed build and deployment processes for Pre-production environments.
* Automated Weekly releases with **ANT/Maven** scripting for Compiling **Java** Code, Debugging and Placing Builds into **Maven** Repository.