Mohammed Safiullah

Employer Details
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PROFESSIONAL SUMMARY:

- Around 10+ years of extensive experience in Software Development Life Cycle **(SDLC)** including requirement analysis, design specification, scripting, coding, and testing of enterprise applications. Automating, configuring, and deploying instances on **Cloud environments (AWS, Azure, GCP)** and **Datacenters**.
- Good experience of all phases of Software Development Life Cycle **(SDLC)** and Software Testing Life Cycle **(STLC).**
- Expertise in **Linux** environment, automation of build tools, configuration management tools following **Agile** methodology and **SDLC** including monitoring, configuration, troubleshooting and maintenance in cloud and **DevOps** Environment with Continuous integration and Continuous Delivery (**CICD**) process.
- Automated whole management process and achieved required state of environment by using configuration management automation tools (**Ansible** and **Chef**) in creating continuous delivery systems.
- Managing the **OpenShift/Kubernetes** Resources such as **Service** (SVC), **Pods**, **Image Streams** (IS), **Build Config** (BC), **Deployment Config** (DC), **Replication Controllers** (RC), **Persistent volumes** & **Persistent volume Clai**m (PV & PVC).
- Worked on building the infrastructure on **AWS Cloud** like Instances, **ELB**, **EBS, S3 Buckets, Security Groups, Subnets, Auto Scaling, AMI, RDS, Route 53, AWS Shield, AWS Lambda, AWS Guard, VPC, ECS** and **EKS** services from scratch using **Terraform** modules.
- Designed customized infrastructure in **AWS** with **terraform** scripts to create custom sized **VPC, Subnets, NAT** to ensure successful deployment of Web applications and database templates and expertise in architecting secure VPC Solutions in **AWS** with the help of Network ACLs, Security groups, and public and private network configurations.
- Created **Python** Scripts to Automate **AWS** services, include web servers, **ELB**, **Cloud front Distribution**, **database**, **EC2 and database security groups**, **S3 bucket** and application configuration, this Script creates stacks, single servers or joins web servers to stacks.
- Worked on creating, maintaining, and upgrading **Kubernetes EKS cluster** in **offline & Air-gapped Environments** using **Ansible Playbook**. Handled application deployments and production issues in Kubernetes clusters.
- Deployed application which is containerized using **Docker** onto a **Kubernetes** cluster which is managed by Amazon Elastic Container Service for Kubernetes (**EKS**).
- Experience in migrating on premise to the Windows Azure DR using **Azure Recovery Vault and Azure backups**, **Azure Fabric**, Docker containers to the cloud in Azure and created Domain Controller in one of the Virtual Machine and added users to Domain Controller.
- Worked on Azure spring cloud escalated and user authentication, service interruptions with **Azure Virtual Machines** (their host nodes) and associated **virtual storage (Blobs, Tables, Queues).**
- Hands on experience o**n Azure VPN-Point** to Site**, Virtual networks, Azure Custom security**, Endpoint security and firewall. Hands on experience on Backup and restore Azure services.
- Deployed **Kubernetes** clusters using **AKS** managed local deployments in **Kubernetes** creating local clusters and deploying application containers and created **Microservices** applications with integration to **Azure** services by using **Azure AKS,** while providing access to the full suite of **Kubernetes** functionality.
- Experience in providing highly available and fault tolerant applications utilizing orchestration technologies like **Kubernetes** and **Apache Mesos** on **Google Cloud Platform (GCP)**.
- Used **Chef** for configuration management of hosted Instances within **GCP**. Configuring and Networking of Virtual Private Cloud **(VPC).**
- Implemented **CI/CD** process using **Jenkins, Terraform** and **GKE** on Google **GCP** shared **VPC** environment. Compiled microservices maven builds using **Jenkins** CI process and deployed using docker and Kubernetes to GCP environment namespace such as **dev, QA, UAT and PROD**. Configured and automated infrastructure component such as **GCP's Cloud Functions, Dataflow, GKE Cluster, GCS, Big Query, Pub/Sub** using terraform deployed via **CI/CD** pipeline. Performed functional and regression test of microservices web application using Selenium tool and integrated with Jenkins CI/CD pipeline.
- Built Jenkins jobs to create **AWS** infra from **GitHub** repositories containing **Terraform code**.

- Worked on **Docker** to automate container deployment through **Jenkins** and Dealt with **Docker Hub**, making docker images and taking care of various Images essentially for middleware establishments.
- Developed Microservice on boarding tools leveraging **Python** and **Jenkins** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
- Created **Ansible** roles in **YAML** and defined tasks, variables, files, handlers and templates. Created inventory and configured the **Ansible** files for parallel deployment in Ansible for automating the **Continuous delivery process**.
- Experience in managing **Ansible Playbooks** with **Ansible roles**. Used file module in **Ansible playbook** to copy and remove files on remote systems. Created inventory in **Ansible** for automating the continuous deployment. 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.
- Worked with **Terraform** key features such as **Infrastructure as code**, **Execution plans**, **Resource Graphs**, Change Automation and Implemented **Terraform** reusable modules for deployment of applications across **Azure**, and working with **Azure DevOps Pipelines**, Repos, Boards, Test plan Modules.
- Extensively worked on **Kubernetes** for scheduling, deploying, and managing pods, replication controllers, deployments, labels, health checks and ingress by writing **YAML Files and Helm Charts to deploy and maintain the Deployed Services.**
- Created projects, **VPC's**, Subnetwork's**, GKE Clusters** for environments QA3, QA9 and prod using **Terraform.**
- Created Docker images by tagging and pushing the images and worked on the infrastructure using **Docker containerization**. Leveraged **Docker** Engine to run Multiple **Tomcat** Instances as **Containerized App Servers**.
- 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.
- Worked with **Jira** as defect tracking system and configure various workflows, customizations, and plug-ins for **Jira** bug/issue/improvement tracker and dependent on **Confluence** for documenting about the progress of **Projects** and **Sprints**.
- Managed **Azure Container Registry** to store private **Docker images**, which are deployed and **Azure pipelines** to build, test, and deployments. **Azure Monitor** to collect metrics and logs. Configured **Monitor** to track performance and maintain security, and used **Splunk** tool to collect **metrics**, **queries**.
- Used **Splunk** and **Nagios** to monitor the system logs as well as notify the incident management system upon exceeding thresholds.
- Creation of **Prometheus-Grafana** setup using **Terraform/Ansible** for various targets like **Kafka, Spark, MySQL, node exporters** etc.
- Configured **Virtual Hosts** and **Work Managers** in **WebLogic server** to manage resources.
- Extensive Experience in creating and configuring **Clustered** environments to maintain **load balancing** and **high availability** of applications on **Oracle WebLogic Server/Tomcat/JBoss**.
- Good Experience with Protocols and Utilities like **TCP/IP** and **HTTP/HTTPS.**
- Working experience on different **Databases** like **Oracle, DB2, Sybase** and **SQL Server.**
- **Team player** with strong **interpersonal skills**.
- Excellent **organization** and **communication skills** with the ability to liaise at all levels.

TECHNICAL SKILLS:

Cloud Platforms	Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP).
Scripting & Programming Languages	Bash/Shell, Python, JSON, YAML, Power Shell, Perl, .NET, JSON, YAML, JavaScript, Java/J2EE, Groovy, PHP.
Operating Systems	UNIX, Linux, Windows, Solaris, CentOS, Ubuntu, MacOS, Debian, Fedora.
Web Technologies	HTML, Java Script, XML, Servlets, JDBC.
Web/App Servers	Tomcat, Apache, Nginx, WebLogic, WebSphere, JBoss.
Monitoring Tools	Rally, Nagios, Splunk, Grafana, ELK, CloudWatch, Azure Service Health, Azure Network Monitor.
Database	Oracle, DB2, SQL Server, MySQL, MongoDB, NoSQL, AWS RDS, Red Shift.
CI/CD Tools	Jenkins, Chef, Puppet, Ansible, Bamboo, Hudson.
Containerization	Docker, Kubernetes, OpenShift.
Infrastructure as Code	Terraform, CloudFormation.
Build Tools	Ant, Maven, Gradle.

Version Controlling Tools	Subversion, Perforce, GIT, CVS, Bit Bucket, Git Hub.
Release Management Tools	XL Release, XL Deploy.

PROFESSIONAL EXPERIENCE:

Cardinal Health, Dublin, Ohio
Oct'20 - Till date.
Sr. Aws Cloud/DevOps Engineer
Responsibilities:
- Created the **AWS VPC** network for the Instances and configured the Security Groups and Elastic IPs accordingly.
- Hands on experience in Amazon Web Services (**AWS**) provisioning and good knowledge of **AWS** services like **EC2, S3, Glacier, ELB** (Load Balancers), **RDS, SNS, SWF, EBS, VPC, Route 53, Lambda, Cloud watch, Cloud Trial, Auto scaling, Security Groups, Redshift, Directory Services.**
- Optimized costs by assessing resources like instance type, storage type, volumes, and managed services like **Elastic Beanstalk**, **AWS Fargate**, **Elastic Container Services** for best fit.
- Implemented security best practices in **AWS** including multi factor authentication, access key rotation, enforce strong password policy, configured security groups and **NACL**s, **S3** bucket policies and **ACL**s, etc.
- Leveraged **IAM** to manage identities and created custom policies that grant users and roles to access other **AWS** services ensuring least privilege.
- Configured **CloudWatch** alarm rules for operational and performance metrics for **AWS** resources and applications.
- Created scripts for system administration on **AWS** using languages such as **BASH**, **Python** & Created **Lambda** functions to upload code and to check changes in **S3**, **DynamoDB** table.
- Set up the build and deployment automation for **Java, Node** & **AngularJS** projects by using **Jenkins**, **NPM** and **Maven**.
- Worked on building application and database servers using **AWS EC2** and created **AMIs** as well as used **RDS** for **Oracle DB**. Wrote Shell scripts for automating logs backup and archiving.
- Implemented **Continuous Deployment** pipeline with **Jenkins** and **Jenkins workflow** on **Kubernetes.**
- Created and executed automated test scripts in TDD using Selenium **WebDriver, TestNG** and Database as source of Test Data.
- Implemented AWS solutions using **EC2, S3, RDS, Route 53, Cloud front, VPC, AMI, EBS**, Elastic Load Balancer, and Auto scaling groups, Optimized volumes and EC2 instances using API's.
- Hands on experience on **Azure VPN-Point to Site, Virtual Networks, Azure Custom security, Endpoint Security**, firewall, Windows Azure name resolution, Scheduler, Automation and Traffic Manage.
- Experienced in migrating on-premise to the Windows **Azure** DR using **Azure Recovery Vault** and **Azure backups, Azure Fabric**, Docker containers to the cloud in Azure and created Domain Controller in one of the Virtual Machine and added users to Domain Controller.
- Deployed cloud services (**PaaS** role instances) and **Azure IaaS Virtual machines** (VMs) into secure subnets and VNet and designed Network Security Groups (**NSG**s) to control inbound and outbound access to network Interfaces (**NIC**s), subnets and VMs.
- Experienced in creating Network Security Groups to filter the traffic to and from **Azure Resources** by configuring the Inbound and Outbound rules and associating them with **Subnet** and **Network Interfaces**, creating **Azure Key Vault** to store certificates, Secrets.
- 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.**
- Hands on experience with Provisioning Service Fabric Clusters and Application Gateway using **ARM**, **PowerShell** or **Azure Portal** which is a distributed systems platform to deploy and manage Microservices with high availability.
- Proficient in administrating **Azure IaaS/PaaS** services like **Azure Virtual Machines**, Web and Worker roles,**VNET, Network services, Azure DevOps, SQL Databases, Storages, Azure Active Directory, Monitoring, Autoscaling, PowerShell Automation, Azure Search, DNS, VPN, Azure Service Fabric, Azure Monitor, Azure Service Bus.**

- Deployment of MDM Custom components in to **Openshift** environment through **CI/CD.**
- Used **XL Release Orchestration tools** for continuous integration and management of several tasks in deployment process.
- Worked on **Cloud formation** to create cloud watch metric filters and alarms for monitoring and notifying the occurrence of cloud trail events.
- Automated local dev environment using **Vagrant/chef solo**.
- Responsible for the architecture, design, development, integration, and maintenance of **Selenium Grid** with CI/CD Pipeline.
- Monitored **RDS** instances and **Elastic Load Balanc**er for performance and availability.
- Creating builds using power shell scripts and automated **Maven** executions.
- Enforced **DevOps** methodologies and used **Terraform** to spin up the infrastructure on **AWS**.
- Experience in Setting up the build and deployment automation for **Terraform scripts** using **Jenkins**.
- 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.
- Debug built failures and worked with developers and QA personnel to resolve related issues.
- Manage and Administer **Apache**, **Tomcat**, **WebLogic**, **WebSphere** and **Jboss.**
- Design and work with team to implement **ELK** (Search, Logstash and Kibana) Stack on **AWS**.
- Experience working **Docker** creating various containers with different distribution in integration with **Ansible**.
- Configured Nagios to monitor **EC2** Linux instances with **Ansible** automation.
- Worked on **NoSQL DBs MongoDB, Cassandra,** and **Relational databases** like **RDS**.
- Creating **Cloud watch** alerts for instances and using them in Auto scaling launch configurations.
- Created **Python Scripts** to Automate **AWS** services, include web servers, **ELB**, **Cloud front Distribution**, database, **EC2** and database security groups, **S3** bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks.
- Worked with **AMI** effectively a snapshot of the root file system, used a disk image and Linux to boot from arbitrary location on the **EBS** storage network.
- Used **API** as front door for applications to access data, business logic or functionality from back-end services, such as workloads running on **Amazon EC2**, code running on Lambda, web application.
- Installed VM image to host in our datacenter, which supports **VMware**.
- Managed **Kubernetes** charts using **Helm**, created reproducible builds of the **Kubernetes** applications, managed **Kubernetes manifest files** and Managed releases of **Helm packages** and helped in converting **VM** based application to **Microservices** and deployed as a container managed by **Kubernetes.**
- In **Ansible** worked with playbooks, tasks, roles, facts & templates for VAR files also in ansible configured files by conditions by keeping dynamic values and triggering **YML** files.
- Creating **GIT** repositories and give access rights to authorized developers and worker on Artifactory.
- Experience on several **Docker** components like **Docker Engine, Hub, Machine, Compose** and **Registry**.
- Experience in configuring **Splunk** and Integrated Splunk with Active directory and LDAP authentication.
- Experience working on **Docker Hub**, creating **Docker images,** and handling multiple images primarily for middleware installations and domain configurations.
- Automated infrastructure provisioning on **AWS** using **Terraform** and **Ansible**.
- Configured **MongoDB** replica set on **AWS** for caching **HTTP** responses.

Environment: Jenkins, Ansible, Confluence, AWS, AWS EC2, IAM, S3, AWS CloudWatch, Route 53, JUNIT, Chef, Nagios, GCP, Subversion (SVN), Ant, Terraform, Helm, Kafka, Docker, GitHub, JIRA, Apache, Tomcat, Java/J2EE, JBoss, Nginx, RHEL, Maven, Kubernetes, OpenShift, Git, Rest API, SOAP, Shell/Bash, Python, Selenium, Linux, Nexus.

Fidelity Investments, Boston, MA
Nov' 17 - Sept' 20
Sr Aws DevOps / Cloud Engineer
Responsibilities:
- Responsible for implementing containerized based applications on Azure Kubernetes by using **Azure Kubernetes service (AKS),** Kubernetes Cluster, which are responsible for cluster management, Virtual Network to deploy agent nodes, **Ingress API Gateway**, **MySQL** Databases and **Cosmo DB** for stateless storage of external data, and setup reverse proxy Nginx in the cluster.
- Deployed and optimized two tier **Java, Python** web applications to **Azure DevOps CI/CD** to focus on development by using services such as **Repos** to commit codes, **Test Plans** to unit test, deploy **App Service**, **Azure Application Insight** collects health performance and usage data of the process, stored artifacts in blob storages.
- Managed Azure Infrastructure **Azure Web Roles**, Worker Roles, **SQL Azure, Azure Storage, Azure AD Licenses**.

Virtual Machine Backup and Recover from a Recovery Services Vault using **Azure** PowerShell and Portal.

- Hands on experience in Azure **IAM** requirement analysis, implementation of Access Gateways and SAML, OAuth, WS-Fed based integrations using Ping Federate.
- **Serverless** framework for deploying Multiple **Lambda Functions, IAM Roles API Gateway** and containerizing those Functions in such a way that So that can be Platform Independent.
- Composed **Cloud formation** templates for creating infrastructure in such a way that it can be used creating stacks in different Environments by just changing the Parameter Values in the **Azure** Environment.
- Set up **Terraform** backends, modules and var files to manage multiple environments with same Infrastructure code.
- Established **SSO** connections using **SAML** 2.0 and **OAuth** 2.0 protocols in the **AD Azure** PaaS Solutions - (DR on cloud using **Azure** Recovery Vault, **Azure** Web and Worker Roles, SQL **Azure**, **Azure** Storage)
- Implemented **Docker Swarm** to deploy load balance, scale and manage **docker** containers with multiple names spaced versions and integrated Cluster Management with **Docker Engine** using **Docker Swarm**.
- Evaluated **Kubernetes** for Docker container orchestration. 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.
- Implemented **Jenkins** pipelines into Azure pipelines to drive all micro services builds out to the **Docker** registry and then deployed to **Kubernetes**, Created Pods and managed using AKS**.**
- Working with **Ansible tower** to manage Web Applications, Config Files, Data Base, Commands, User Mount Points, Packages and for running **playbooks** stream in real-time and amazed to see the status of every running job without any further reloads.
- Developed **Ansible playbooks**, inventories, and custom playbooks in **YAML**, and encrypted the data using Ansible Vault and maintained role-based access control by using Ansible Tower and implemented IT orchestration using Ansible to run tasks in a sequence which can work on different servers.
- Managed **Azure Container Registry** to store private **Docker images**, which are deployed and **Azure pipelines** to build, test, and deployments. **Azure Monitor** to collect metrics and logs. Configured **Monitor** to track performance and maintain security, and used **Splunk** tool to collect metrics, queries.
- Working on **Splunk** tool for monitoring all the Kubernetes clusters for efficient cluster visibility, proactive monitoring and triggering action.
- Developed Build and Deployment Scripts using build tools **MS Build, Maven** in Jenkins to migrate from one environment to another environment and utilized Nexus, Maven, SonarQube.
- Automated Installation and configuration of **Apache, Tomcat** servers using Python and supported implementations of Kafka and RabbitMQ message servers running Linux and Windows server.
- Implemented relational Databases, **NOSQL Database** Management systems like **MySQL, MSSQL, Oracle, PostgreSQL**, Cassandra, CouchDB and **Mongo DB**.
- Coordinate with vendors like **Atlassian, Jfrog** to review system information, troubleshoot Level 1 to Level 3 issues, reports bugs and submit improvements.
- Set up uDeploy server along with automated scripts to back up the server and restore from backup for Disaster recovery.
- Wrote CHEF recipes for automated uDeploy agent installs/updates, uDeploy agent relays install/update and configuring the same with the uDeploy server.
- Moved 72 web services and related application to uDeploy and maintained them across 5 environments Develop, QA, UAT, PreProd and Prod.
- Developed and implemented an automated Linux infrastructure using **Puppet**, Wrote **Puppet models** for installing and managing java versions, wrote a Python plugin for collected to write metrics to state
- Automation of various administrative tasks on multiple servers using **Puppet**.
- Set up the build and deployment automation for Java base project by using **Jenkins** and **Maven**.
- Hands on experience in **Amazon Web Services** (AWS) provisioning and good knowledge of **AWS services** like **EC2, S3, Glacier, ELB (Load Balancers), RDS, SNS, SWF, lambda** and **EBS** etc.
- Able to create scripts for system administration and **AWS** using languages such as **BASH** and **Python**, created **Lambda functions** to upload code and to check changes in **S3**, **DynamoDB** table
- Used **Jenkins** as Continuous Integration tools to deploy the Spring Boot Microservices to **AWS Cloud** and OpenStack using build pack.
- Worked on **DevOps** methodologies and cloud infrastructure automation tools like **AWS** by using **Terraform**.
- Experience in Setting up the build and deployment automation for **Terraform** scripts using **Jenkins**.
- Used **Kubernetes** to orchestrate the deployment, scaling, and management of **Docker Containers**.

- 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.
- Created monitors in Datadog for systematic performance of Linux, Windows for metrics like CPU, Disk Usage.
- Performed all necessary day-to-day **Subversion/CVS** support for different projects.
- Automated the entire build and deployment process using **Jenkins** and Hudson for Continuous Integration and documented the process.
- Worked on **Nexus Cloud** repository to maintain artifacts and used as a local repository.
- Coordinated the Development Team, QC and Application Support in Deploying the Code to the right System Test Environment using **Hudson** Tool.

Environment: Jenkins, Ansible, Confluence, Subversion (SVN), Ant, Azure, Marathon, Chef, terraform, Docker, GitHub, JIRA, Remedy, Apache Tomcat, Java/J2EE, GCP, Nginx, TFS, AWS, RHEL, Clear Case, Cloud formation, Maven, Nexus, Kubernetes, Cucumber, JBoss, Mesos, Artifactory, NodeJS, Git, Rest API, SOAP, Puppet, Ruby, shell/Bash, Splunk, OpenStack, MySQL, Teradata, SQL, Bitbucket, SonarQube, Python, selenium, Linux.

eBay, San Jose, Ca
Jan'15 - Oct'17
Role: DevOps / Build & Release Engineer
Responsibilities:
- Setting up continuous integration and formal builds using **Jenkins** with Artifactory repository. Installed and administered Artifactory repository to deploy the artifacts generated by **ANT** and to store the dependent jars which are used during the build.
- Managed Dependency Management within the teams by installing and configuring **Nexus Repository Manager** and used **JIRA** to track issues and Change Management.
- Configured and maintained Jenkins to implement the **CI** process and integrated the tool with **ANT** to schedule the builds. Developed build and deployment scripts using **ANT** as build tools in Jenkins to move from one environment to other environments.
- Managed site wide various application's build life cycle using **Jenkins** and setting up **Jenkins** master, adding the necessary plugins and adding confidential slaves to support scalability and agility.
- Worked recently on tools migration from old tools like **PVCS** (version control system) to **SVN**, Tracker to **Jira** and finally CI tool **Hudson** to **Jenkins**. Used Hudson/Jenkins to perform automated Builds and Deployments.
- Performed automation of **CI / CD** pipeline in private cloud using Jenkins shared libraries and multibranch pipeline and automated the static code analysis through **SonarQube** in **Jenkins** pipeline for checking code quality.
- Worked on creating **ANT** scripts to build and deploy Java/J2EE, Oracle ADF and Oracle SOA based enterprise applications to **WebLogic** Application Servers.
- Involved in editing existing **ANT** build files as per changes in the project requirements. And maintained build related scripts developed in ANT. Modified build configuration files including Ant's build.xml.
- Developed **GIT** hooks for the local repository, code commit and remote repository, code push functionality and on GitHub.
- Experienced in branching, tagging, and maintaining the version control systems across the environments using SCM tools like GitHub, Subversion (**SVN**), **Atlassian**, **GIT lab** and **TFS** on **Linux** and windows platforms.
- Administered Linux servers for several functions including managing **Apache/Tomcat** server, mail server, **MySQL** databases in both development and production.
- Worked on Implementing and setting up **Route 53** (**AWS DNS** service) for **AWS Web Instances**, **ELB**, **Cloud Front** and **Elastic Beanstalk** on **AWS** Environment and worked on **Route 53** for Failover and Latency Based Routing to the client's websites with weighted routed policies.
- Created Python scripts to totally automate **AWS** services which includes **Web servers, ELB, Cloud Front distribution, database, EC2** and database security groups and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
- Managing **AWS** infrastructure and automation with **CLI** and **API**. working on Inbound and Outbound services with automation **CHEF**. Deployed multiple resources simultaneously, using **Cloud Formation** templates in AWS.
- Good experience in creating Splunk apps, navigations, interfaces and good experience on **Splunk** lookups, macros, Pivot, data models, lookup files and their publication into Splunk. Network Monitoring, bandwidth and traffic monitoring through Splunk and solar wind.

- Used **Splunk Deployment Server** to manage Splunk instances and analysed security-based events, risks & reporting and monitored and track Splunk performance problems, administrations and open tickets with Splunk if there is need.
- Created the **Docker** file built various containers using **Docker Engine** and **Docker Machine** environments and working on several Docker components like **Docker Engine**, **Hub, Machine, Compose and Docker Registry**.

Environment: AWS, Puppet, Bitbucket, JIRA, Artifactory, PVCS, SVN, Hudson, Jenkins, SonarQube, ANT scripts, Java, J2EE, Oracle, GitHub, Atlassian, TFS, Apache, Tomcat server, MySQL.

DevOps/Build & Release Engineer
Idexx Laboratories - Portland, ME
Feb ' 2013 – Dec' 2014
Responsibilities:

- Responsible for Build and Deployment of the java applications on different environments like Dev/QA & Production.
- Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
- Used Jenkins, Build forge for Continuous Integration and deployment into Tomcat Application Server.
- Installing, configuring and administering Jenkins CI tool on Linux machines.
- Application installation and troubleshooting for Solaris, Red Hat Linux and CentOS.
- Designing, Administration and troubleshooting database servers like MySQL 5.7, MySQL 5.6, MySQL 5.5
- Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
- Written/edited Shell Scripts to collect the System Performance Information, account information.
- Responsible for designing and deploying best SCM processes and procedures.
- Responsible for patching Linux servers.
- Worked on upgrading the Splunk Indexers, Search heads and forwarders.
- Worked closely with software developers and DevOps to debug software and system problems
- Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
- Experience to Integrate Release with Jira for Requirements Management, Bamboo/Deploy for Build & Deployment and Service Now for Change Management process via plugins.
- Experience in Configure XL Release template to have Pre-Deployment, Deployment and Post-Deployment phases for one application
- Wrote puppet modules for the Tomcat/Apache/Splunk forwarder services in our distributed infrastructure.
- Administered Linux Servers Linux (Red hat – RHEL 3/4/5) for several functions including managing Apache/Tomcat server, mail server, My Sql database and firewalls in both development and production.
- Created monitors, alarms and notifications for EC2 hosts using CloudWatch.
- Experience with configuration management and automation tools (Puppet/ Docker)
- Experienced in installation and configuration of Web Sphere application server's V 3.5/4.0/5.x/6.x, IBM HTTP Server on AIX, Solaris and Linux platforms
- Implemented the setup for Master slave architecture to improve the Performance of Jenkins
- Releasing code to testing regions or staging areas according to the schedule published.
- Worked on Cloud automation using AWS Cloud Formation templates
- Installation, Maintenance, Administration and troubleshooting of Linux, windows servers
- Used Open stack and AWS cloud services to launch Linux and windows machines, created security groups and written basic PowerShell scripts to take backups and mount network shared drives.
- Responsible for Installation, Configuration Management, Maintenance and Systems Development of Red Hat Linux, Oracle Enterprise Linux / UNIX Systems.
- Designed Puppet Modules to manage configurations and automate installation process.
- Implementing a Continuous Delivery framework using Jenkins, Puppet, Maven & Nexus in Linux environment
- Management of Red Hat Linux user accounts, groups, directories and file permissions.
- Used JIRA custom workflows to track issues and JBoss application server to deploy the application.

- Maintained all the Red hat servers Linux entitled with the latest subscriptions
- Worked on high availability Linux servers - load balancing and clustering
- Created Instances on OpenStack.
- Performing server's health checks on daily basis, by logging into Unix system and monitoring logs, and processes.

Environment: MySQL, Java, Linux, OpenStack, Redhat, Docker etc