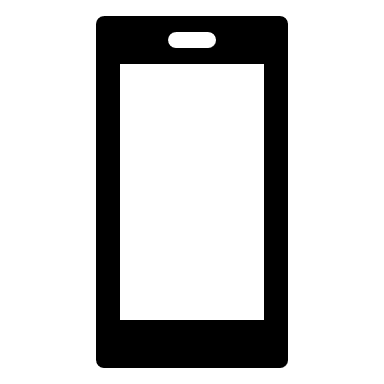
# User Muhammadh Juhaif Abdullah Syed Abubca

 **Sr. Cloud / DevOps Engineer**

(408) 758-5174

[mjuhaifabdullah4@gmail.com](mailto:mjuhaifabdullah4@gmail.com) | <https://www.linkedin.com/in/v-patil-517417180/>

# Professional Summary:

Sr. Cloud & DevOps professional about 7 years of IT Experience as **Cloud/DevOps** Engineer comprising of Linux and System Administration with major focus on AWS, Azure, OpenStack, Continuous Integration, Continuous Deployment, Configuration Management, Build/release Management and Virtualization technologies which also includes Troubleshooting and Performance issues.

* Expertise in migrating the existing v1 (Classic) **Azure infrastructure** into v2 (ARM), scripting and templating the whole end to end process as much as possible so that it is customizable for each area being migrated.
* Hands on experience on Backup and restore **Azure** services. Designed and configured Azure Virtual Networks (VNets), Subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing.
* Hands on experience with **AWS**solutions using **CloudFormation Templates** and launch configurations to automate repeatable provisioning of AWS resources for applications.
* Used Amazon ECS as a container management service to run microservices on a managed cluster of EC2 instances. Implemented **Amazon API Gateway** to manage, as an entry point for all the API's.
* Knowledge on **SaaS**, **PaaS** and **IaaS** concepts of cloud computing architecture and Implementation using **AWS**, **OpenStack, OpenShift, Pivotal Cloud Foundry (PCF)** and **Azure**.
* Expertise in designing the Google Cloud architecture by following the financial regulations from security point of view. Expertise in several GCP service focusing on Security, **Kubernetes** and Biq Query.
* Expertise in deep development/enhancement of **OpenStack** components such as **Nova, neutron, designate, Cinder, Swift, Image, Horizon & Identity,** and **Ceilometer**.
* Managed Google BigQuery instance for the data warehouse, using Google Data Prep and Google storage as the staging platform. Deployed the application using Google App Engine.
* Responsible for building scalable distributed data solutions in both batch and streaming mode on Google BigQuery using Kafka, Spark and Core Java.
* Converted existing **Terraform** modules that had version conflicts to utilize CloudFormation templates during deployments, worked with Terraform to create stacks in AWS, and updated the Terraform scripts based on the requirement on regular basis.
* Expertise in integrating **Terraform with Ansible**, **Packer** to create and **Version the AWS Infrastructure**, designing, automating, implementing and sustainment of Amazon machine images (AMI) across the **AWS Cloud environment.**
* **Experience with setting up Chef Infrastructure, bootstrapping nodes, creating, and uploading recipes, node convergence in Chef SCM.**Experience in using **Chef** for server provisioning and infrastructure automation, release automation and deployment automation, Configure files, commands, and packages.
* Experience using **Ansible Tower** dashboard, role-based access control, access to **Ansible** for deployments.
* Experience in working with **Ansible** Playbooks to automate various deployment tasks and working knowledge on **Ansible** Roles, **Ansible** inventory files and **Ansible** Galaxy.
* Experienced in working on **Docker** hub and **Docker swarm**, **Docker compose** creating **Docker images** and handling multiple images primarily for middleware installations and domain configuration.
* Experience in working with Jenkins in a **Docker** container with EC2 slaves in Amazon AWS cloud environment and also familiar with surrounding technologies such as **Mesos** (Mesosphere) and **Kubernetes**.
* Managed **Kubernetes** charts using **Helm**. Created reproducible builds of the **Kubernetes** applications, **Kubernetes** manifest files and releases of **Helm** packages.
* Experienced in Using Jenkins pipelines to drive all **Microservices** builds out to the **Docker registry** and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Experience in Branching, Merging, Tagging and Maintaining the version control and source code management tools like GIT, SVN and Bitbucket on Linux and windows platforms.
* Expertness in using Build Automation tools and Continuous Integration concepts by using tools like Gradle, ANT, Jenkins, Team city, Quick Build, Build forge and Maven.
* Architected **Jenkins build pipelines** in various Linux environments like **RHEL, Centos** and **Windows** to build and deploy **Java applications**.
* Proficient with **Shell, Python, Ruby, Perl, Power Shell, JSON, YAML, Groovy, PowerShell** scripting languages.
* Experienced with all the **OpenStack** components like keystone, swift, nova, cinder, glance etc. Experience in programming using Perl, shell and **Python scripting.**
* Experience in using web servers like **Apache HTTP** and **Tomcat**, **Nginx**, **IIS** andapplication servers like **IBM** **WebSphere**, **Oracle WebLogic** and **JBOSS** for deployment.
* Hands on experience on working with System health and performance Monitoring Tools like **Nagios, Splunk, CloudWatch, New Relic, App Dynamics.**
* Experienced using different log monitoring tools like **Splunk**, **ELK** (**Elasticsearch, Log Stash, and Kibana**) to see logs information. Monitor & get the health & security notifications from nodes.
* Experience in working with **SQL** database like MySQL, Oracle, SQL Server and NoSQL databases like **MongoDB, DynamoDB** and **Cassandra**.
* Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on **Nagios** Event handlers in case of automatic restart of failed applications and services.
* Deployed and configured Atlassian tool **JIRA** for both hosting and issue tracking for local instances, workflow collaboration, and tool-chain automation, also used Remedy for **bug tracking**.
* Expertise in dealing with Linux Utilities: **KICKSTART**, **SSH**, **FTP**, **autofs**, **Quota** **Management**, **wrappers**, User Management, Process Management, Memory Management, and Text processing tools, Log Management, Package Management, Disk Management and **Swap** **Partition**/**Files** **Management**.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Cloud Platforms** | AWS, Azure, OpenStack, GCP |
| **Configuration Management Tools** | Ansible, Chef, Puppet |
| **CI /CD Tools** | Jenkins, Bamboo |
| **Build Tools** | Maven, ANT |
| **Containerization Tools** | Docker, Docker Swarm, Kubernetes, Mesos, OpenShift, Aws ECS. |
| **Version Control Tools** | GIT, GITHUB, Bitbucket, SVN |
| **Logging & Monitoring Tools** | Nagios, Splunk, ELK, CloudWatch, Azure Monitor, Prometheus, New Relic |
| **Scripting & Programming Languages** | Shell Scripting, RUBY, C, C++, XML, PL/SQL, Java/J2EE, HTML, PERL, POWERSHELL, Python, Java/J2EE, .Net |
| **Databases** | My SQL, MS SQL, Oracle, Dynamo DB, Cassandra, Mongo DB 7 SQL Server |
| **Application/Web Servers** | Web logic, Web sphere, Apache Tomcat, Nginx, Oracle application server |
| **Operating Systems** | UNIX, Linux, Windows, Solaris, CentOS, UBUNTU and RHEL. |
| **Virtualization Platforms** | Oracle VirtualBox, VMware Workstation, Vagrant, VMware vSphere ESXi 5.x/4.X, ESX /3.x, Hyper-V |
| **Bug Tracking Tools** | JIRA, Bugzilla, Remedy, HP Quality Center, IBM Clear Quest, Mingle |
| **Repositories** | Antifactory, Nexus |
| **Web Technologies** | HTML, CSS, Java Script, jQuery, Bootstrap, XML, JSON, XSD, XSL, XPATH. |

**PROFESSIONAL EXPERIENCE:**

# Sr. Cloud/DevOps Engineer

**Medline Industries, Chicago, IL March 2018 – Present**

**Responsibilities:**

* Designing, Planning and creating **Azure** virtual machines, and managing virtual networking within Azure to connect into on-premises environments, and migration of on-premise to Windows **Azure** using Azure Site Recovery and Azure backups.
* Create clusters in **Google Cloud** and manage the clusters using **Kubernetes(k8s).** Using **Jenkins** to deploy code to Google Cloud, create new namespaces, creating **docker** images and pushing them to container registry of Google Cloud.
* Developed workflow in **Azkaban** to automate the tasks of creating **DataProc Cluster**, loading data in Google Storage and consolidating data **in BigQuery** table using standard **SQL.**
* Implemented Automation scripts in python, jinja and bash to deploy and manage **GCP** services like **Custom VPC**, **VPN, Subnets, Stack driver etc.**
* Executed the automation from commit to deployment directly into **Azure VM** by implementing a **CI/CD pipeline** with the help of **Jenkins** and **Chef**. Setting up **Chef Infra**, bootstrapping nodes, creating and uploading **recipes**, node **convergence** in **Chef** SCM**.**
* Configured **Azure Virtual Networks**, subnets, **DHCP** address blocks, Azure network settings, **DNS** settings, security policies and routing. Also, deployed **Azure** **IaaS** virtual machines and Cloud services (**PaaS** role instances) into secure **Virtual Networks** and **Subnets.**
* Design and Implementation of **Azure** Site Recovery in both Disaster Recovery Scenario and for migrating the workloads from On-Premise to **Azure**. Disaster Recover (DR) plan using Traffic Manager configuration.
* Provided technical direction to allow Active Directory on-Prem group to populate users. Setup of Multi-Factor Authentication between the **Azure** and Ping Federated with AD on-prem passwords.
* Created a visual studio solution to define Infrastructure as Code (IaC) using **Azure ARM templates**. Also Build, deploy and migrate infrastructure to Azure utilizing **ARM templates** and some **Terraform.** Work with VSTS to create all-inclusive CI/CD process
* Created **Terraform** scripts to launch the platform common services like **CI/CD** tool **JENKINS**, Configuration Management Tool **Chef**, Secrets management tool **Vault.**
* Used **Azure Terraform** to deploy the infrastructure necessary to create development, test, and production environments.
* Used **Terraform** to write IAC (Infrastructure as a code) to build Development and Production environment in **Azure Cloud.**
* Set up **Kubernetes** (k8s) **Clusters** for running **microservices** and Pushed **microservices** into production with **Kubernetes** backed Infrastructure. Development of automation of **Kubernetes** clusters via playbooks in **Ansible**.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple namespace versions.
* Configured **Kubernetes** Replication controllers to allow multiple pods such as **Jenkins** master server in multiple minions. Managed Kubernetes charts using **Helm**, managed **Kubernetes** **manifest** files and created reproducible builds of the Kubernetes application.
* Used **Ansible and Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Worked on writing the **ansible playbooks** for provisioning the **Azure VM's** using the resource manager and ansible **python SDK**. Created the **Azure** storage accounts, **VNET's**, **Subnets**, assigned the public IP, Altered the security groups, NIC's and Azure VM's for internal applications using **Ansible playbooks**.
* Written **Ansible Playbooks** with **Python SSH** as the Wrapper to **Manage Configurations** of **Azure Nodes** and Test Playbooks on **Azure instances** using **Python SDK** and Automated various infrastructure activities like continuous deployment, application server setup, stack monitoring using **Ansible playbooks**.
* Configuration Automation and Centralized Management with **Ansible**. Implemented **Ansible** to manage existing servers and **automate** the build/configuration of new servers.
* Integrated **Automated Build** with Deployment Pipeline. Currently installed **Chef Server** and **clients** to pick up the Build from **Jenkins** **repository** and deploy in target environments (**Integration, QA, and Production).**
* Configured applications that run **multi-container Docker** applications by utilizing the **Docker-Compose** tool which uses a file configured in **YAML** format. Used **Kubernetes** to manage containerized applications using its nodes, Config-Maps, selector, Services and deployed application containers as Pods.
* Setup **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.
* Used **Docker** for successful setup of Dev & Test environment for Developers and Testers by using **Docker Build** & **Docker Compose**.
* Used **Docker swarm** and **Kubernetes** for container orchestration and spin up them by writing Docker files and setting up the automated build on **Docker HUB**.
* To achieve Continuous Delivery goal on high scalable environment, used **Docker**coupled with load-balancing tool **Nginx**.
* Developed and Modified **Chef Cookbooks** as **Light Weight Resources Provider(LWRP).** Expertise in deploying applications in Web Servers and DB Servers using tools like **Chef and Ansible**.
* Installing and configuring **Jenkins** master and slave nodes. Built CI/CD pipeline and managing the infrastructure as code using **chef.**
* Scheduled the **Linux** Cron jobs and **Jenkins** jobs for build automation. Developed **Perl** and **shell scripts** for automation of the build and release process & to perform deployments to **JBOSS and Tomcat Web servers**.
* Developed **Power shell** scripts to automate web application servers and automation of the build and release process and to automate certain processes for the smooth process of build tool like **Maven**.
* Coordinated developers with establishing and applying appropriate branching, labelling/naming Conventions using **GIT** source control.
* Maintained **Splunk** dashboards and associated charts, graphs, and drilldowns to enable managers, administrators, users and analysts to maximize the utility of the Splunk platform and applications.
* Worked on **Splunk** ITSI scales to collect and index terabytes of real-time and historical events and metrics, that are both human and machine- generated, across multi-datacenter and cloud-based infrastructures.

**Environment:** Azure, PCF, Office 365, Terraform, Maven, Jenkins, Chef, Ansible, Docker, Kubernetes, Git, PowerShell, Apache-Tomcat server, Jira, AEM, RHEL, ELK, PowerShell script work, python script.

# Sr. Cloud/DevOps Engineer

**Verisk Analytics, NJ Aug 2016 – Feb 2018**

**Responsibilities:**

* Automated provisioning of infrastructure for our environments building **AWS** **CloudFormation** stacks from the resources **VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, Security Group, Auto Scaling.**
* Used **security groups,** network ACLs, Internet Gateways, **NAT** instances and Route tables to ensure a secure zone for organizations in **AWS public cloud.**
* Created EC2 instances in **VPC** and installed applications. Worked in **Identity Access Management**. Created users, groups and assigned roles based on their duties.
* Creating NAT and Proxy instances in AWS and manage route tables, **EIP's** and **NACLs**. Configuring of **Virtual Private Cloud (VPC)** with networking of subnets containing servers.
* Wrote Lambda functions in **python** for **AWS Lambda** and invoked python scripts for data transformations and analytics on large data sets in EMR clusters and **AWS Kinesis** data streams and configuration management tools such as Kafka.
* Configured and deployed several hypervisors and VMs running **OpenStack** for DevOps, testing and production environments.
* Troubleshooting any part of the lifecycle services within the **OpenStack** including log files, message queues, database, computer hardware, and network connectivity.
* Wrote **Ansible Playbooks** with Python SSH as the Wrapper to Manage Configurations of OpenStack Nodes and Test Playbooks on AWS instances using Python.
* Automated configuration management and deployments using **Ansible playbooks** and **YAML**. Created Ansible Playbooks to provision Apache Web servers, Tomcat servers, Nginx, Apache Spark and other applications.
* Worked on **Docker** to containerize the Application and all its dependencies by writing Docker file, **Docker-Compose** files, Docker container snapshots, managing Docker volumes, and deployed Docker Swarm using **Ansible**.
* Created additional **Docker** Slave Nodes for **Jenkins** using custom **Docker Images** and pulled them to Cloud. Worked on all major components of Docker like **Docker Daemon**, **Hub**, **Images**, **Registry**, **Swarm**.
* Used **Kubernetes** to deploy scale, load balance, scale and manage **Docker** containers with multiple namespace versions.
* Deployment of Cloud service including **Jenkins** and **Nexus** on **Docker** using **Terraform.**
* Managed **Kubernetes** charts using **Helm**. 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.
* Configured **Kubernetes** to automatically adjust all **replica sets** according to the deployment strategy, making it possible to perform updates without affecting application availability.
* Configured **Amazon Elastic Container Service** to use scale cluster size and adjust its desired count up or down in response to **CloudWatch alarms**.
* Implemented and building tools such as **Maven** in order to automate and enhance the overall operational environment. Developed build and deployment scripts using **Maven** as build tool in **Jenkins** to move from one environment to other environments.
* Experienced in authoring **pom.xml** files, perform releases with Maven release plugin, and manage Artifacts in **NEXUS** Repository.
* Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation-using **Jenkins** along with Python and Shell scripts to automate routine jobs.
* Responsible for installing **Jenkins master** and **slave** nodes and configure Jenkins builds for continuous integration and delivery. Set up and Configure the Jenkins for application deployment.
* Installed and configured **GIT** and **GITHUB**. Implemented and maintained the branching and build/release strategies utilizing GIT.
* Worked on integrating AWS **DynamoDB** using **AWS Lambda** to store the values the items and backup the **DynamoDB streams**.
* Automated build and deployment process using **Bash, Python,** and **Shell scripts** with focus on DevOps tools, CI/CD in Jenkins.
* Written **shell scripts** with **Bash, Python** to automate tasks like provisioning servers, installing, configuring packages and deploying applications on multiple servers in the Prod & Non-prod environments.
* Automated **Datadog** Dashboards and assisted internal users for **Splunk** in designing and maintaining production quality dashboards.
* Worked with **Nagios** for Windows Active Directory & LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers and added new services & servers.

**Environment:** AWS,Git, Maven, Jenkins, Linux, Jira, chef, Ansible, Docker, Splunk, python, EC2, S3, RDS, EBS, ELB, Opswork, Nexus, Bash, Unix/Linux, Nagios, Datadog.

**Cloud/DevOps Engineer**

**Synchronous Technology, NJ July 2014 – July 2016**

**Responsibilities:**

* Developed and supported key pieces of the company's **AWS** cloud infrastructure. Built and managed a large deployment of **Ubuntu** Linux instances systems with Opscode.
* Provisioning of infrastructure for our environments building **AWS** CloudFormation stacks from the resources **VPC, EC2, S3, RDS, Dynamo DB, IAM, EBS, Route53, SNS, SES, SQS, CloudWatch, Security Group, Auto Scale**.
* Creating NAT and Proxy instances in AWS and manage route tables, **EIP's** and **NACLs**. Configuring of **Virtual Private Cloud (VPC)** with networking of subnets containing servers.
* Wrote **Chef** Cookbooks for various DB configurations to modularize and optimize end product configuration, converting production support scripts to **Chef** Recipes and **AWS** server provisioning using Chef Recipes.
* Performed development and version control of **Chef** Cookbooks, testing of Cookbooks using Test Kitchen and running recipes on nodes managed by on-premise Chef Server.
* Worked with **CHEF** ohai plugin, chef handlers, push jobs and exposure to chef supermarket to leverage the existing cookbooks for quick automation of general deployment and Infrastructure tasks.
* Integrated **SonarQube** with **Jenkins** using **Maven** to get the Quality Analysis for all the Projects pre-deployment. Discussed the report with Developers to explain the SonarQube Report and to help improve code Quality.
* Implemented a Continuous Delivery pipeline with **Docker**, **Jenkins** and **GitHub**. Responsible for installation & configuration of **Jenkins** to support various **Java builds** and Jenkins plugins to automate continuous builds and publishing **Docker Images** to the **Nexus Repository**.
* Worked on **Docker engine** and **Docker Machine** environments, to deploy the micro services-oriented environments for scalable applications, **Docker swarm** to host cluster and container scheduling, Docker compose to define multiple container applications.
* Virtualized servers in **Docker** as per test environments and Dev-environments requirements and configured automation using Docker containers.
* Worked on VMware application in **Splunk** to scheduling components that manage data collection tasks for the API data. The Collection Configuration dashboard coordinates the flow of data with the data collection nodes.
* Automated **Java** Builds with **Maven** and Implemented multiple plugins for Code analysis, Junit, Code coverage, PMD, **SonarQube**, etc. Installed and administered Artifactory repository to deploy the artifacts generated by **Maven.**
* Written **shell scripts** with **Bash, Python** to automate tasks like provisioning servers, installing, configuring packages and deploying applications on multiple servers in the Prod & Non-prod environments.
* Worked with **application/database** team to resolve issues for performance Tuning and Management of **Linux** servers.

**Environment:** AWS, GIT, GITHUB, SonarQube, Jenkins, Maven, Nexus, Ansible, Chef, LVM, Splunk, Nagios, DynamoDB, Python, shell scripting, Linux.

Cloud/DevOps Engineer

WellCare, Tampa, FL Jul 2017 – Dec2018

Responsibilities:

 Worked with Amazon AWS Cloud Services, (EC2, S3, EBS, ELB, Cloud Watch, Elastic IP, RDS, SNS, SQS, Glacier,

IAM, VPC, Cloud Formation, Route53) and managing security groups on AWS, focusing on high-availability,

fault tolerance, and auto-scaling.

 Used AWS CLI and perform automation to build test clusters using Shell scripting.

 Monitored and maintained the AWS S3 buckets which contained all the packets of each build. Each

packet had metadata files which were extracted to proceed with the flash testing.

 Configured and maintained the AWS Lambda function to trigger when there is a Jenkins build kicked

off, which internally gets stored on AWS S3 bucket for everybody to access. Created Route53 to route

traffic between different regions. Worked with Security groups &amp; Network ACLs.

 Managed data warehouse using Amazon RedShift to analyze all data using SQL &amp; existing business

intelligence tools. Converted existing AWS infrastructure to Serverless Appplication Model

Architecture (AWS Lambda, Kinesis) deployed via Terraform &amp; AWS Cloud formation template

written in YAML language.

 Also used SAM CLI for building, managing and configuring serverless applications on AWS.

 Design and implemented Terraform modules for infrastructure deployments. Created Kubernetes

clusters using Terraform.

 Integrated AWS Dynamo DB using AWS lambda to store the values the items and backup the Dynamo DB

streams and implemented Terraform modules for deployment of applications across

multiple cloud providers.

 Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication.

Provided policies to groups using policy generator and set different permissions based on the requirement along

with providing Amazon Resource Name (ARN).

 Involved in Developing a Restful service using Python Django framework and created an entire

application using Python Django, MySQL, and Linux. Implemented SQL Alchemy (ORM) which is a

Python library for complete access over SQL as Python objects.

 Worked on creation of custom Docker container images, tagging and pushing the images to the Docker

repository for further use and managed a Docker deployment pipeline for custom application images in

the cloud using Jenkins.

 Used Docker images on AWS EKS- Elastic Kubernetes Service and provide scalable container service.

Configured the Pod(definition) for deciding on the count of containers.

 Dealt with HiveMQ broker and HiveMQ clients for cluster management and IOT data transfer via

publish and subscribe model architecture of HiveMQ.

 Installed and used Chef Server enterprise on-premise, workstation and bootstrapped the nodes using

Knife command. Created various Roles &amp; Environments &amp; used Chef Handlers for auto kick-off

requirement jobs.

 Implemented Chef Recipes for Deployment on build on internal Data Centre Servers. Also re-used and modified

same Chef Recipes to create a Deployment directly into Amazon EC2 instances.

 Deployed &amp; configured Chef server &amp; Chef solo including bootstrapping of client nodes for provisioning; Managed

&amp; configured hundreds of servers using Chef. Written several Chef Cookbooks &amp; Recipes with Ruby scripting to

automate the installation of WebLogic domain &amp; JDK &amp; customized Recipes from Chef Supermarket to align.

 Created and Maintained Chef Recipes and cookbooks to simplify and expedite deployment of

applications and mitigate user error. Migration of all nodes from chef configuration system to Ansible

system.

 Deeper experience in Host inventory and Playbooks in Ansible, wrote playbooks written in YAML

language.

 Wrote PowerShell scripts which were integrated and invoked by Ansible to configure, manage and

shutdown remote machines.

 Developed build used Maven as build tools and used CI tools to kick off the builds move from one

environment to other environments. Working with setting up of Continuous Integration processes with

build, release, and test. Utilized internal tools and Jenkins tools to perform and implement Continuous

Integration processes.

 Design an EFK system to monitor and search enterprise alerts. Installed, configured and managed

the EFK Stack for Log management within EC2 / Elastic Load balancer for Elastic Search. Monitored

performance of the applications and analyzed log information using EFK (Elasticsearch, Fluentd,

Kibana).

 Migration of the Source Code from Perforce to Bitbucket. Responsible for design and maintenance of the

GIT Repositories, views, and the access control strategies Used sub modules in GIT and trained the new

users on working with sub modules in GIT.

 Developed and scheduled bash shell scripts for various activities (deployed environment verification,

running database scripts, file manipulations. Worked with different bug tracking tools like JIRA, IBM

Clear Quest.

 Experience with Red Hat Linux kernel, memory upgrades, and swaps area. Installed

RedHat Linux using Kickstart &amp; Sun Solaris with JumpStart. Configured DNS, DHCP, NIS, NFS in Sun

Solaris 8, 9 &amp; other Network Services.

 Supported 300+ Linux servers in production/stage/development environment. Built and Configured

LINUX Servers in AWS Cloud Environment.

Environment: AWS (EC2, EBS, S3, VPC, Code Deploy, Code Commit, Elastic search, Lambda, API Gateway,

Route 53 (DNS), ECS, CloudFormation, RDS, Dynamo DB, SNS, SES, SQS, IAM, RedShift, Ops Works), Maven,

Ansible, Chef, Docker, Kubernetes, OpenStack (kilo/ Juno), Jenkins, GIT, Bit-Bucket, Python, Jira.

# System Engineer

**CSS Corp, TN, IN April 2015– April 2016**

**Responsibilities:**

* Administered, maintained **RedHat 3.0, 4.0, 5.0**, AS, ES, Troubleshooting Hardware, Operating System Application & Network problems and **performance** issues and Deployed latest patches for, **Linux** and **Application** servers, Performed **RedHat Linux Kernel Tuning**.
* Configured volume groups and logical volumes, extended logical volumes for file system growth needs using **Logical Volume Manager (LVM)** commands.
* Regular Admin Tasks include building **Linux** servers for Production, Development and Test Environments and supported the ones under production.
* Managed **TCP/IP** packets & **DHCP** servers, **resolved TCP/IP** network access problems for the clients and worked with various TCP/IP implementations like **NFSv4, NIS, DNS**, and **DHCP.**
* Monitored System Activities like **CPU, Memory, Disk** and Swap space usage to avoid any performance issues.
* Working with Apache Web servers and managing **JBOSS**, **Apache Tomcat** and **Web Sphere Application** servers.
* Involved in helping others Linux Administrators to deployed Splunk in a **Linux** and windows environment. Troubleshooting and monitoring the machines 24x7.

**Environment:** Microsoft Windows 95/98/2000/XP/2003, Linux, DNS, DHCP, TCP/IP, RIP, FTP, TFTP, Terminal Services, SNMP, SMTP, NFS, Oracle, Db2, JBoss, Splunk.

# Linux Administrator

**Netaxis IT Sollutions Pvt Ltd, TN, IN March 2013 – March 2015 Responsibilities:**

* Day to day duties involved Linux server maintenance and support to developer's team for their issue’s application, tuning, troubleshooting, and software running.
* Installed the latest patches for, **Oracle** on **Red hat Linux servers, Configured** and administered Send mail, Samba, Squid servers in Linux environment
* Set up the **Linux Cron jobs** for automating various build related jobs and application data synchronization jobs.
* Responsible for building of **Linux OS** servers using **kickstart automation application**
* Configured **Kickstart** and **Jumpstart** servers to initiate installation of **RedHat Linux** and **Solaris** on several machines at once.
* Updated previous **LDAP** tools to work with version **of Ruby Rails.**
* Involved in Installing, Configuring and Upgrading of RedHat Linux AS 4/5, Solaris 9/10 operating systems.
* Performed automated installations of Operating System using kickstart for Red Hat Enterprise Linux5/6 and Jumpstart for **Solaris 9/10 Linux.**
* Administered and supported distributions of Linux, including Linux Enterprise Desktop**, SUSE** Linux Enterprise Server, **RedHat** and **Solaris**.
* Install, maintain and upgrade **Drupal** and Word press on **LAMP** stack and Configured **LAMP** Stack on **Unix/Linux** servers.
* Configured the **NIS, NIS+** and DNS **on RedHat Linux 5.1** and update NIS maps and Organize the **RHN Satellite** Servers in combination with RHN Proxy Server.
* Worked on Linux Package installation using **RPM** and **YUM**, provisioned system with **LVM.**
* Developed, customized and build packages on Solaris and rpms on Linux for deployment on various servers through **Software Development Life Cycle.**

**Environments:** Oracle on Red hat Linux, Samba, Squid, RedHat Linux AS 4/5, Solaris 9/10, Linux Enterprise Desktop, SUSE Linux Enterprise Server, RedHat and Solaris, LDAP.