**Name: Aamer Choudhry  
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**Visa: USC**

**Senior DevOps Engineer/ Senior Cloud Engineer/SRE**

**Summary:**

* Over 12+ years of IT Industry experience with DevOps, Cloud Management, Configuration Management, Build & Release Management from one environment to other and deploying to servers.
* Expertise in maintaining Docker containers and docker images for run time environment and worked with containerization tools, can implement transition to Docker and develop distributed cloud system using Kubernetes.
* Experience in Configuring Auto Scaling in customized VPC, based on elastic load balancer (ELB) traffic and using ELB health check to trigger auto scaling actions. Deployed Auto Scaling policies to scale up/down EC2 instances based on ELB health checks and created alarms to be used in auto scaling decision making policies. Familiar with AWS ACM and have installed SSL certificates on various Load Balancers.
* Experience in configuring RDS instances using Cloud formations and terraform and used Terraform to map complex dependencies and identify network issue and focusing on high-availability, fault tolerance, and auto-scaling using Terraform templates. And used Terraform to write IAC to build Production environment in Azure Cloud.
* Extensive experience in AWS Lambda functions in python for AWS's Lambda which invokes python scripts to perform various transformations and analytics on large data sets in EMR clusters. AWS Elastic Beanstalk as Platform as a service (PaaS) to manage the AWS cloud environment.
* Experience in Configuring the OpenStack Keystone, glance, cinder, swift and integrated OpenStack (Icehouse) with OpenStack to create Software-Defined-Networking tenant and service provider network and routers.
* Experienced in production-grade Kubernetes that allow enterprises to reliably deploy and run containerized workloads across private and public clouds. Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* Expertise in migrations and automation of Linux based servers (CentOS, RHEL, Ubuntu) and windows-based servers (2008R2, 2012R2) from on-premises to cloud platforms such as AWS and AZURE. Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets.
* Experience in maintaining Amazon Web Services and Hands on experience in Architecting Legacy Data Migration projects such as Teradata to AWS Redshift, migration, Teradata to Snowflake Migration, AWS Cloud from on-premises.
* Experience in deploying and configuring Chef Server including bootstrapping of Chef Client nodes for provisioning. Experienced in Chef, Ansible and OpenStack for Deployment on Multiple platforms and created roles, recipes, cookbooks and data bags for server configuration.
* Experienced in Ansible Tower configuration, setup, and playbook setup. Written Ansible Playbooks for installing Software packages, web applications in Virtual Machines and AWS EC2 instances.
* Extensive experience on Ansible modules to deploy docker services on the docker swarm cluster for the entire microservices stack. Worked with Docker container snapshots, attaching to a running container, managing containers, directory structures and removing Docker images.
* Experienced in OpenShift platform in managing Docker Containers, Kubernetes Clusters, and Mesos and implemented a production ready, load balanced, highly available, fault tolerant Kubernetes infrastructure and created Jenkins jobs to deploy applications to Kubernetes Cluster.
* Expertise in Continuous Integration for major releases in Jenkins. Created Pipeline in Jenkins by integrating Git and Maven Plugins. Created new build jobs in Jenkins admin console and configured global environmental variables.
* Experience in using Nagios and New Relic monitoring system and different Bug Tracking Tools like Remedy, Jira, VSTS, ServiceNow and Clear Quest. Designed, deployed and coordinated with different teams to enhance ELK platform and took ownership of modern technologies.
* Experience in Splunk solution design, architect, deployment and configuration of Splunk components like forwarders, Indexers, Search heads etc.
* Extensive experience in creating and deploying a tool to automate branch and project creation in GIT using Groovy in Jenkins file and Automating with Chef. Configuring Nginx, Apache tomcat through cookbooks.
* Working with CloudTrail. Created infrastructure in a coded manner (infrastructure as code) using Chef and Ansible for configuration management of virtual environments, and Vagrant for virtual machine and resource control.
* Experience in writing Ansible playbooks, inventories created custom playbooks written in YAML language.
* Extensively worked on Chef Roles, Cookbooks, Recipes, Templates, Resources, Attributes & Data bags.
* Expertise in creating Python scripts to automate daily networking tasks (Ex. auto config generation, retrieving information from network devices, parsing data, etc.) - including a custom FortiGate firewall config
* Good experience in writing Helm charts, Kubernetes yaml files for deployment of microservices into Kubernetes cluster.
* Extensive experience in application deployment on PCF using CF push and Urban code deploy. Also, PCF backup for all the environments and set-up Jenkins maven build automation with uploads to Pivotal Cloud Foundry (PCF).
* Expertise in Azure infrastructure management (Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365). Virtual Machine Backup and Recover from a Services Vault using Azure PowerShell and Portal.
* Experience in managing and maintaining the DevOps CD/CI pipeline using DevOps suite which includes Continuous Integration of Gitlab, Jenkins, Jfrog Artifactory and XL Deploy. Automated and connected the Jenkins jobs with SonarQube to generate and publish the unit tests.
* Experience in Build virtual Linux server and Windows server using VMWare and Xen when needed for testing. Implemented sudo utility throughout the environment for ESB servers and documented the process. Resolved security vulnerabilities by recommending improvements in communications and network security at the component level.
* Experience in Red Hat EL using Kickstart and PXE on HP DL380 G3. Performed OS installations, OS Upgrades, & Server Patching by configuring PXE & DHCP server using Kickstart & Jumpstart scripts on Red Hat Linux 5.x, 6.x & 7.x.
* Worked at all phases of Software Development Lifecycle and handled change management process for application development.

**Technical Skills:**

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| --- | --- |
| **Operating Systems:** | Windows, Linux, Solaris, RHEL, CentOS. |
| **Cluster Management:** | Kubernetes, Docker Swam. |
| **Languages:** | Perl scripting, UNIX Shell-Bash scripting, JAVA/J2EE, Python. |
| **Version Control Tools:** | CVS, SVN, TFS, GIT, GitHub, Bit Bucket, Nexus, perforce. |
| **Virtualization Platform:** | Virtual Box, Docker, Vagrant, EC2 Container Service (ECS), Micro Services. |
| **Deployment Tools:** | Ansible, Chef, Puppet. |
| **Build Tools:** | ANT, Maven, Jenkins, Hudson, Bamboo. |
| **Web Servers:** | WebLogic, WebSphere, Tomcat, Jboss, NGNIX, Apache. |
| **Cloud Technologies:** | AWS, MS Azure, GCP, OpenShift, PCF. |
| **AWS Cloud Services:** | AWS (EC2, S3, ELB, EBS, IAM, VPC, RDS, SNS, SQS, Glacier, Route53, Cloud Watch, Cloud Formation, Cloud Front, Auto Scaling, Elastic Cache, EMR, Red Shift). |
| **Databases:** | MYSQL, MS SQL, Oracle, MongoDB, AWS RDS. |
| **SDLC:** | Agile, Scrum, Sprint, Waterfall. |

**Work EXPERIENCE:**

**Client: Optum, Lansing, MI Jun 2021- Till Date**

**Role: Sr. Cloud/ DevOps /SRE Engineer**

**Responsibilities:**

* Installed and Administered Jenkins CI for ANT and Maven Builds and installation, Configuration and Management of RDBMS and NoSQL tools such as DynamoDB.
* Managing the OpenShift cluster that includes scaling up and down the AWS app nodes. Had very strong exposure using ansible automation in replacing the different components of OpenShift like ECTD, MASTER, APP, INFRA, Gluster.
* Worked with RedHat OpenShift Container Platform for Docker and Kubernetes, used Kubernetes to manage containerized applications using its nodes, Config Maps, node-selector, Services and deployed application containers as Pods.
* Extensively used Node.js tools like Gulp, Grunt, Web pack; Developed internal CLI applications using
* Commander Module for application build.
* Implement modules into Node JS to integrate with designs and requirements
* Extensively used NodeJS on front end (used namespaces, closures and custom bindings)
* NodeJS is been used for developing I/O intensive web applications like, single-page application.
* Consuming NodeJS RestFul API services.
* Experience in AWS cloud infrastructure database migrations, PostgreSQL and converting existing
* ORACLE and MS SQL Server databases to PostgreSQL, MySQL and Aurora.
* Installation and maintenance of PostgreSQL Databases migration to AWS Aurora.
* Master-Slave Replication setup in PostgreSQL environment
* Performance Tuning within PostgreSQL, Oracle, MongoDB, Cassandra
* Alerts and Trouble tickets executions in - PostgreSQL, Oracle, MongoDB, Cassandra
* Converted Oracle and SQL Server databases to PostgreSQL and MySQL
* Responsible for configuring, integrating, and maintaining all Development, QA, Staging and Production
* PostgreSQL databases within the organization
* Imaging Dell PCs and Laptops using a Powercast Server and configuring systems. Rolling out new
* systems to users and instructing users on use of new systems.
* Responsibilities included setting up and configuring PCs to access the network, maintaining listing of
* network settings for all systems, updating Virus software, and trouble shooting PC, network, and
* printer problems.
* Responsibilities included trouble-shooting analog modem and ISDN Internet connection issues for both
* PC’s and Macintosh as well as instructing users on how to use software and helping them to find
* resources.
* Designed and executed on-prem to AWS cloud migration projects for Texas DIR state agencies
* Experience migrating infrastructure and application from on premise to Azure and from Cloud to Cloud such as AWS to Microsoft Azure.
* Infrastructure in Cloud and On-Premise on Window Involving in Configuring, managing and troubleshooting Physical, Virtual s server, Active Directory, Networking, Storage, VMware, Hyper -V, AWS Cloud, Microsoft Azure (IAAS,PAAS,SAAS).
* Working on deploying and maintain K8s in bare-metal environments.
* The deployment model uses Atlassian development repository tools, Jenkins as the build engine, while execution deployments to container orchestration tools ranged over time from OpenShift on EC2, AWS
* Created health checks on Route53 and configured different routing policies like Simple, Weighted, and Fail-over.
* Set up and maintained Logging and Monitoring subsystems using tools loke; Elasticsearch, Fluentd, Kibana, Prometheus, Grafana and Alert manager.
* Worked on Informatica Power Center tools- Designer, Repository Manager, Workflow Manager, and
* Workflow Monitor.
* Developed Master resource library across Qlik Sense Apps and trained users in leveraging them to create custom stories/additional visualization based on their need.
* Upgraded Qlik Sense server by following feature release paths to inherit the latest features that are available for consumption.
* Leveraged existing QlikView DataMart has to migrate Qlik Dashboards onto Qlik Sense environment. Implemented Application Level Section Access and configured security rules on Qlik Sense streams to control user actions over Qlik Sense Hub.
* Created Qlik Sense Wizards, mash ups for embedding the Sense visualizations into third party applications.
* Good knowledge on trouble shooting Qlik Sense server related issues like Sync issue, App Duplications etc.
* Solid knowledge in upgrading the existing Qlik Sense clustered environment to latest releases after performing stability checks.
* Leveraged existing Qlik Marts for building Qlik Sense Applications during the migration phase.
* Created scheduled jobs through Qlik Sense management console (QMC). Involved in extracting, transforming and loading data from source into QlikView/Qlik Sense applications.
* Deployment of Qlik Sense/QlikView dashboards from DEV to UAT and UAT to PROD.
* Design, Development, Deployment and management of multiple cloud Integration Processes using
* Informatica Cloud Services and ICRT
* Designed ETL specification documents for all the projects.
* Interacted with Data Modelers and Business Analysts to understand the requirements and the impact
* of the ETL on the business.
* Provided support to develop the entire warehouse architecture and plan the ETL process
* Developed Informatica Cloud Services tasks (Synchronization/Mapping Configuration) to load the data
* into Salesforce (SFDC) Objects
* Day to day client interactions in order to collect Business requirements, Analyze and implement the
* solutions within the scope of Informatica Cloud.
* Bulk loading and unloading data into Snowflake tables using COPY command.
* Created DWH, Databases, Schemas, Tables, write SQL queries against Snowflake.
* Validate the data feed from the source systems to Snowflake DW cloud platform.
* Integrated and automated data workloads to Snowflake Warehouse.
* Ensure ETL/ELT’s succeeded and loaded data successfully in Snowflake DB.
* Designed and built ETL processes using Pentaho Data Integration to load data from multiple health
* care providers for multiple customers.
* Designed and built ETL process for integration with external systems using SSIS.
* Created ETL process to load and match properties from 18 different systems.
* Created ETL process to load claims data.
* Documented existing ETL process used to import large files to be formatted into XML for large format
* printing.
* Experienced in creating various dashboards, metrics, alarms and notifications for servers using AWS Cloud Watch, Grafana, Prometheus and Nagios.
* Wrote Ansible Playbooks for various applications and deploying them in AWS using Terraform.
* Development of automation of Kubernetes clusters with Ansible, writing playbooks.
* Responsible for watching alerts from Prometheus about Kubernetes nodes, disk usage, memory, app restarts and different alerts and responsible for troubleshooting them.
* Developed and deployed Helm charts to Kubernetes using Helmfile as a declarative configuration for deploying distributions of Helm charts while adhering to 12-factor application principles.
* Working as an AWS DevOps Engineer for a team that involves three different development teams and multiple simultaneous software releases.
* Migrating and maintaining build and test environments into the Cloud Infrastructure.
* Configured AWS Identity Access Management (IAM) Group and users for improved login authentication.
* Configured an AWS Virtual Private Cloud (VPC) and Database Subnet Group for isolation of resources within the Amazon RDS Aurora DB cluster and created notifications and alarms for EC2 instances using Cloud Watch.
* Working on Developing, Testing, Debugging, and Troubleshooting of Containerized Infrastructure.
* Involved heavily in setting up the CI/CD pipeline using Jenkins, Maven, Nexus, GitHub, Ansible and AWS.
* Experience with Docker and Vagrant for different infrastructure setup and testing of code.
* Experience in Administering GIT in Distributed Environments.
* Experience with AWS services like Amazon S3, RDS, EC2, Cloud Formation, Lambda, VPC, ELB, Glacier, Elastic Block Store, Dynamo DB, Amazon RDS, Code Deploy, CloudWatch, Amazon IAM, SES, SQS, Security Groups and Route 53 in Agile environment
* Implemented SonarQube for developer code quality checks – established quality gates, designed gates thresholds by muting/unmuting rules through TeamCity
* Configured groovy script, shared Jenkins libraries and multi-branch pipeline to handle automated deployment for Dev, QA, UAT and PROD environment
* Used elastic search through JSON and Java API.
* Implemented Terraform modules for deployment of applications across multiple cloud providers. Employed Git/GitHub, Ansible, Jenkins and VMW are software to build the automated testing and delivery pipelines.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and has Integrated Ansible with Jenkins.
* Involved in setting up builds using Ansible as a configuration management tool and managed the configurations of more than 40 servers.
* Design and build custom VPC setups, maintain and architect Cloud Formations for rapid deployment, setup High Availability Cloud architectures in AWS. Architect and setup AWS Customer Gateway via VPN.
* Maintain the best-in-class AWS Cost Optimization, AWS Cloud Security, Operational Excellence, Performance, and Reliability for AWS Cloud architecture and deployments.
* Involved with Docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Customize existing playbooks downloaded from the puppet supermarket using Python DSL and Handlers
* Extensively integrated Git for automating builds with Jenkins.
* Working on creating a Continuous Delivery CI pipeline with AWS Code Pipeline to automate builds with AWS Code Build.
* Collaborated with development & support teams to service a continuous delivery environment with the use of build platform tool DOCKER
* Worked with Ansible playbooks for orchestration, provisioning, configuration management and application development on LAMP stack.
* Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker.
* Utilized Docker for the runtime environment of the CI/CD system to build, test deploy.
* Configure, monitor and automate Amazon Web Services as well as involved in deploying the content cloud platform on Amazon Web Services using EC2, S3 and EBS.
* Working experience of deployment of Java applications through WebLogic/WebSphere Application servers and build tools like Gradle.
* Designed Auto-scaling Launch configurations templates using various modules like Key-pairs, Security groups and block device mapping to configure an EC2 instances within the Auto-scaling group.
* Deployed Kubernetes clusters on top of Amazon EC2 Instances using KOPS and Managed local deployments in Kubernetes, creating local cluster and deploying application containers and building/maintaining Docker container clusters managed by Kubernetes and deployed Kubernetes using HELM Charts.
* Setup development and production data pipelines for ML team on Mesos managed EC2 cluster with Marathon Docker Management and data stored in AWS S3, transformed with Python ETL scripts.
* Written Ansible playbooks to manage configurations and automate installation process. Experience with Ansible Tower to manage Multiple Nodes and Manage inventory for different Environments.

**Environment**: AWS- EC2, S3, VPC, Cloud Watch, IAM, SQS, SNS, SES, NACL, Route 53, Jenkins, Docker, Kubernetes, Ansible, Maven, Java, LAMP, Helm, Splunk, Terraform, Grafana, SOAP UI Tool, jQuery, Bootstrap, PCF, GIT, LINQ, JSON, UDeploy, Windows, Apache servers, Linux servers.

**Client: Securian Financial, Charleston, WV Jan 2019 – May 2021**

**Role: Sr. Infrastructure Engineer/ Site Reliability Engineer**

**Responsibilities:**

* Worked as an SRE, my role is to improve and maintain the web application life cycle from inception to design, deployment, operation and refinement
* Developed and supported the Software Release Management and procedures. Also experienced with working on Subversion, Proposed and implemented branching strategy.
* Collaborates and pairs with other product team members (UX, engineering, and product management) to create secure, reliable, scalable software solutions
* Used Docker for setting Azure Container Registry with Docker and Docker-compose and actively involved in deployments on Docker using Kubernetes.
* Performed chaos testing using the Gremlin tool to test the engineer, stability of the Kubernetes platform.
* Used Azure Kubernetes service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and terraform.
* Monitoring and deployment by using technologies like CHEF & Ansible
* Developed automation scripting in Python (core) using Puppet to deploy and manage Java applications across Linux servers.
* Established infrastructure and service monitoring using Prometheus and Grafana
* Implemented Performance testing using Apache JMeter and created a Dashboard using Grafana to view the Results.
* Automated most of the daily task using python scripting
* Configured servers to host Team Foundation Server (TFS) instance to setup and manage Continuous Integration (CI) using Team Foundation (TF) Build Service.
* Responsible for Administering and Monitoring Visual Studio Team System (VSTS), taking backups and consolidating collections at the time of migration from one version of VSTS to another.
* 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.
* Installed Docker Registry for local upload and download of Docker images and even from Docker hub.
* Worked on the Docker ecosystem with a bunch of open-source tool like Docker machine, Docker Compose, Docker Swarm.
* Used Zabbix as monitoring tool and used Zabbix plugin for Grafana for analysis & visualization.
* Worked with Ansible to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages. Ansible to assist in building automation policies.
* Configured and implemented storage blobs and Azure files - Created Storage accounts, Configured the Content Delivery Network (CDN), custom domain, Managing access and storage access key.
* Experience in Windows Azure Services like PaaS, IaaS and worked on storages like Blob (Page and Block), SQL Azure. Well experienced in deployment & configuration management and Virtualization.
* Writes custom code or scripts to do "destructive testing" to ensure adequate resiliency in production
* Designing, planning and implementation for existing on-premise applications to AZURE Cloud (ARM), Configured and deployed Azure Automation Scripts utilizing Azure Stack Services and Utilities focusing on Automation.
* Designed and Developed Bamboo Builds deployments on Docker containers.
* Defined dependencies and plugins in Maven pom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags.
* Working on Splunk tool for monitoring all the Kubernetes clusters for efficient cluster visibility, proactive monitoring and triggering action.
* Created Ansible playbooks to automatically install packages from a repository, to change the configuration of remotely configured machines and to deploy new builds.
* Automated various infrastructure activities like Continuous Deployment using Ansible playbooks and has Integrated Ansible with Jenkins on AZURE.
* Configures commercial off the shelf solutions to align with evolving business needs
* Designing and implementing fully automated Server build management,
* Developed Python scripts for testing the car functioning on different services.
* Created users, manage user permissions, maintain User & File System quota on Red Hat LINUX.
* Responsible for designing and deploying best SCM processes and procedures with GitHub, GIT. Familiar with analysing and resolving conflicts related to merging of source code for clear case.
* Used Apache Kafka for importing real time network log data into HDFS
* Expertise in JIRA for issue tracking and project management. Experienced with Installing and Configuring the NEXUS Repository manager for sharing the artifacts within the company. Also, Supported and developed tools for integration, automated testing and release management.
* Improved the performance of SQL Scripts by using Object Role Modelling methodology.
* Used Docker in build automation pipeline and production deployment & implemented the setup for Master slave architecture to improve the Performance of Jenkins. Used Jenkins for Continuous Integration and deployment into tomcat Application Server.
* Profound Experience in designing Strategies to increase the velocity of development and release for Continuous integration, delivery and deployment, by using technologies like Bamboo and Jenkins. Also, experience in using SCM tools like GIT, Subversion (SVN) and TFS on Linux platforms in maintaining, tagging and branching the versions on multiple environments
* Good understanding of building the Android Applications using the Maven and Jenkins.
* Building post install scripts using Shell scripting in Linux servers.
* Strong skills in managing Red Hat Linux servers, Virtualization, and system security.
* Experience with Apache/Tomcat, Load Balancer (Apache) and expertise in making configuration changes.
* Worked with Configuration Management automation tool Ansible and has worked on integrating Ansible YAML Scripts.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.

**Environment**: ANT, MAVEN, Subversion (SVN), CHEF, Docker, Vagrant, Ansible, JIRA, LINUX, RHEL, SNS, SQS, Kubernetes, Shell/Perl Scripts, Bitbucket, Python, Grafana, Terraform, TFS, SCM, API, GIT, Jenkins, Tomcat, Java, ARM, Azure TFS, Azure VSTS, Visual Studio, Visual Studio Code, GitBash, Python

**Client: Comcast, Philadelphia, PA Apr 2016 – Dec 2018**  
**Role: AWS/DevOps Engineer**

**Responsibilities:**

* Involved in designing and deploying multiple applications using AWS cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
* Leveraged Amazon Web Services like EC2, RDS, EBS, AWS Kinesis, SQS ELB, Auto scaling, AMI, IAM through AWS console and API Integration.
* Implemented new build framework using Jenkins & maven as build framework tools.
* Configured Jenkins daily periodic backups for Jenkins config and plugins files.
* Created SNS (Simple Notification Services) and triggering it by Cloud Watch monitoring to send SMS or Email to desired recipients.
* Used Terraform for managing the infrastructure through the terminal sessions and executing scripts in creating alarms and notifications for EC2 instances using AWS Cloud Watch.
* Worked on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configurations.
* Involved in building Object Oriented applications using Java, writing Shell Scripts and Python Scripts on UNIX.
* Developed infrastructure as code with Terraform to deploy VMware and AWS infrastructure
* Created Buckets in AWS and stored files. Enabled Versioning and security for the files stored.
* Virtualized the servers on AWS using the Docker, create the Docker files and version control.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with GIT and Maven to schedule the builds.
* Created and wrote Python and Shell scripts for automating tasks.
* Integrated Docker container-based test infrastructure to Jenkins CI test flow and set up build environment integrating with Git and Jira to trigger builds using Web Hooks and Slave Machines.
* Worked with data management tools like Splunk, ELK.
* Used Splunk to monitoring/metric collection for applications in a cloud-based environment.
* Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
* Written Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Versioning and Source control of codes using GIT concepts such as branching, merging, labelling/tagging, Branches locking, access control and integration.
* Developed Chef cookbooks for HTTPD, Tomcat, JBoss, MySQL, etc., and versioned them on Git.
* Involved in using Tomcat Web Server, JBOSS, WebLogic and WebSphere Application Servers for deployment.

**Environment:** Docker, Maven, Terraform, Splunk, AWS, CICD (Jenkins), ELK, GIT, Cloud Watch, Python, Shell Scripting, JSON, WebSphere, Tomcat, JBoss, WebLogic.

**Client: Deloitte, Kansas City, MO Sep 2013 – Mar 2016**

**Role: DevOps/Build & Release Engineer**

**Responsibilities:**

* Created and maintained several build definitions and publish profiles to handle automated builds in an Agile / SCRUM environment.
* Implement, manage and orchestrate Docker Container Clusters using Kubernetes. Worked on cluster creation for minion/worker in Kubernetes.
* Configured and administered Monitoring tool Nagios, worked on User administration setup, maintaining account, monitor system performance.
* Developed Cron jobs and Shell Scripts for automating administration tasks like file system management, process management, backup and restore.
* Responsible for migrating from Bamboo to Jenkins as continues integration tool.
* Administer and Maintain Source Code Repositories including GIT, Subversion.
* Created and modified build configuration files including POM.xml.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, and managing artefacts in NEXUS repository.
* Used Atlassian JIRA as issue tracking and ticketing tool.
* Installed and monitored code quality tools like SonarQube to check the standards of the code and to analyses the source code.
* Configured AWS Identity and Access Management (IAM) users and groups for improved login authentication.
* Deployed Kubernetes clusters and managed, scheduled container tasks on AWS infrastructure.
* Designed workflows, screens, field configurations and components as part of Projects definition for JIRA as an administrator.
* Designed Puppet Modules to manage configurations and automate installation process. Developed automation scripting in Python (core) using Puppet to deploy and manage Java applications across Linux servers.
* Used Chef for server provisioning and infrastructure automation, release automation and deployment automation, Configure files, commands and packages.
* Worked on Nginx, configured reverse proxy for Apache also fine-tuned configurations with rigorous performance testing.
* Created a Python Script to stop all the instances with a specific tag in AWS Instance using Lambda functions and made it into Cloud Watch Scheduler to schedule it every night.
* Installed, configured and administered application servers like Tomcat to deploy many java applications.
* Integrated Jenkins Build pipeline plugin for managing multi project jobs efficiently.
* Deployed the Java applications into web application servers like Apache Tomcat.
* Used Artifactory as a repository management tool to store the .war or jar artifacts in a versioning manner that are generated in the build process.
* Deployed continues delivery pipeline by using Jenkins, Artifactory, SonarQube, Tomcat, AWS
* 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.
* Used GitHub as source code management tool.
* Daily tasks include monitoring Bugzilla to find and rectify the issues

**Environment:** RHEL, Maven, Docker, Kubernetes, Puppet, GitHub, AWS, SonarQube, Ant, Apache, MYSQL, RDS, Jenkins, Subversion, GIT, Artifactory, Nginx, Tomcat, Bugzilla, Shell scripts, Python, VMware Splunk.

**Client: Epsilon, Chicago, IL Mar 2011 – Aug 2013**

**Role: Linux Admin/ Build & Release Engineer**

**Responsibilities:**

* Provided 24x7 on-call supports in debugging and fixing issues related to Linux, Solaris, HP-U Installation/Maintenance of Hardware/Software in Production, Development & Test Environment as an integral part of the Unix/Linux (RHEL/SUSE/SOLARIS/HP-UX/AIX) Support team.
* Verifying that the methods used to create and recreate software builds are reliable and repeatable
* Experience managing various file systems using LVM and SVM and configured file systems through network using NFS, NAS, SAN methodologies and installed RAID devices.
* Developed Shell, Python Scripts to automate daily, weekly builds primarily using Maven & Ant for some legacy projects.
* performance & tuning via various stat commands (vmstat, NFS-stat, iostat) and tuned I/O, memory, etc. Responsible for Remote Linux Support with more than 400 Servers. Managing users like creating, deleting and granting proper privileges and managing system security.
* Resolving TCP/IP network access problems for the clients. Develop, Maintain, update various scripts for services (start, stop, restart, recycle, Cron jobs) UNIX based shell.
* Modified Maven scripts to build the JAR's, Class files, WAR files and EAR files from VOB's.
* Implemented the Build automation process for all the assigned projects in Vertical Apps domain.
* Experience installing and configuring SSH (Secure Shell) encryption in order to access securely on Ubuntu and Red hat Linux. Responsible for configuring and connection to SSH through SSH clients like Putty and Cyber duck.
* Diagnosed and resolved problems associated with DNS, DHCP, VPN, NFS, and Apache.
* Responsible for Installation, configuration and administration of middleware like Web Logic 9.0, JBoss 3.2, CA Web Access Manager (WAM) and MQ Series v 7.0 etc.
* Performed Disaster Recovery in RHEL servers which consists of LVM based FS and Red Hat Clustering.
* Supported class monitoring and management tools such as Open NMS, Tivoli and VCO.
* Create, maintain and customize complex JIRA project configurations including workflows, custom fields, permissions and notifications.
* Participated in the release cycle of the product which involves environments like Development, INT, QA and Production.

**Environment**: WINDOWS, Oracle Virtual box, VMware, SSH, Putty, Ubuntu, RHEL, SFTP, FTP, TCP/IP, DNS, DHCP, VPN, RPM, YUM, SCP, WinSCP, and FileZilla.

**Education:**

**Bachelor of Computer Science by Hunter College 2006.**