

**Professional Summary:**

- Around 11 years of experience in IT industry with major focus on **Cloud, SRE, AWS, DevOps, Cloud, Azure, Development Operations**, where we build, manage, release, deploy the code by automating the infrastructure.
- Expertise in AWS services like **EC2, Security Groups, S3, Elastic IP's, Load balancers, Auto-scaling, VPC, Cloud watch, IAM** and several other services.
- Responsible to Configuring and managing Virtual Machines, Storage, network and applications using Windows Azure portal.
- Having 3+ years of experience in WebSphere Commerce Server.
- Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining and troubleshooting **EC2 instances**, and **S3** buckets, Virtual Private Clouds (**VPC**), Elastic Load Balancers (**ELB**) and Relational Database Services (**RDS**).
- Having 3+ years of experience scripting language in Java, Python and Node.js
- Proficient in Building end-to-end Integrated Pipelines using Continuous Integration (CI) tools such as Jenkins/Hudson, Bamboo to enable Automated Trigger Handshakes from SCM tools such as GitHub and SVN.
- Experience working with APIGEE Edge, Developer Portal & APIGEE Baas platform
- Experienced in Containerization and Orchestration of immutable infrastructure using Docker containers and creating Kubernetes Pods using various platforms such as KOPS, OpenShift, Kubeadm.
- Expertise on working with **IAM** in creating new **roles, users** and **groups** within different accounts with customized policies.
- Sound knowledge in Continuous Integration systems such as Jenkins, Bamboo, GitLab and TeamCity
- Experience in Developing and managing cloud VM's with **AWS EC2** command line clients and management console.
- Managing **AWS Route53** to route and manage the traffic between different regions.
- Managed and maintained the monitoring and alerting of production and corporate servers/storage using **Cloud Watch**.
- Experience in migrating on premise to Windows Azure using Azure Site Recovery and Azurebackups.
- Used Amazon **S3** to backup database instances periodically to save snapshots of data.
- Experience in using **Packer** to create Automated Machine Images and automated the whole AMI creation process using **Jenkins**.
- Experienced in Gitlab CI and Jenkins for CI and for End-to-End automation for all build and CD.
- Hands on experience in Installation, Maintenance of OpenShift, Kubeadm, Kops to Manage Cluster & Deploy Docker Images & Kubernetes Pods, services and operation of application containers across clusters of hosts.
- Created **Amazon Machine Images (AMI's)** of **EC2** instances using **Packer**.
- Skilled in configuring **Docker** containers and created **Docker files** for different environments.
- Managed **Docker** orchestration and **Docker** containerization using **Kubernetes**.
- Experienced on **Container Orchestration** with **Docker** and **Kubernetes**.
- Built **Docker** image with **Packer** and provisioning with **Kubernetes**.
- Experience in building a **MYSQL** server in a container and made it to interact with **Grafana** as its back-end database and deployed it in a **Kubernetes** cluster.
- Experience in deploying services and applications into **Kubernetes Cluster** using **Helm**.
- Virtualized the servers using the **Docker** for the test environments and dev-environments needs and configuration automation using **Docker** containers.
- Involved in migrating SQL Server databases to SQL Azure Database using SQL Azure Migration Wizard and then Deployed application to Azure Cloud

- Managed and maintained highly available **EC2** Instances using **Terraform** and cloud formation and wrote new plugins to support new functionality in **Terraform**.
- Built customized **Terraform Modules** for projects to manage code.
- Experience in Setting up the build and deployment automation for **Terraform** scripts using **Jenkins**.
- Involved in Architect, build and maintain Highly Available secure multi-zone AWS cloud infrastructure utilizing **Chef** with AWS **Cloud Formation** and **Jenkins** for continuous integration.
- Have built **Jenkins** jobs to create **AWS** infrastructure from **GitHub** repositories containing **terraform** code.
- Designed project pipelines using **Jenkins** and managed plugins inside **Jenkins**
- Integrated **Maven** with **Jenkins** for the builds as the Continuous Integration process, also used **Jenkins** to automate **Buildings** and **Deployments**.
- Implemented a Continuous Delivery framework using **Jenkins**, **Chef** in Linux environment.
- Developed build and deployed scripts using **MAVEN** as build tools in **Jenkins**.
- Worked on **Hudson** and **Jenkins** for continuous integration and for End to End automation for all build and deployments.
- Expert in creating **Jenkins** configurations to generate project artifacts as part of packaging and deployment activities.
- Experience working on Hashicorp technology **Consul**.
- Expertise in Application Deployments & Environment configuration using **Chef**, **Puppet**, **Ansible**.
- Implemented **Ansible** to manage all existing servers and automate the build/configuration of new servers.
- Configured **Ansible** to manage **AWS** environments and automate the build process for core **AMIs** used by all application.
- Responsible for automated deployment of **Java** application in **Tomcat** Server.
- Experience in building new application and deployment through **Ansible** and managing them in production environment.
- Managing existing infrastructure and created new infrastructure using **Ansible** as **Configuration Management** tool.
- Deployed applications on AWS by using **Elastic Beanstalk**. Integrated delivery (CI and CD) using **Jenkins** and **Ansible**.
- Used **Ansible** to manage systems configuration to facilitate interoperability between existing infrastructure and new infrastructure in alternate physical data centers or cloud (**AWS**).
- Used **Ansible** to Setup/teardown of **ELK stack** and troubleshoot the build issues with **ELK** and work towards the solution.
- Used **Ansible** to deploy **ELK** for automating continuous deployment (CD) and configured Nodes.
- Created Log collection in **ELK** installed File Beat on all nodes in cluster to send log data to **Logstash**. Applied filters on log data before sending to Elastic **Search**.
- Coordinate with vendors like **Atlassian**, **JFrog** to review system information, troubleshoot Level 1 to Level 3 issues, reports bugs and submit improvements.
- Written **Chef Cookbooks** and **recipes** for various packages. Implemented environments, roles, data bags in Chef for better environment management.
- Utilized Configuration Management Tool **Chef** & created **Chef Cookbooks** using recipes to automate system operations.
- Developed **cookbooks** using **chef** for Deploying services on Hybrid environments, both Windows and Linux.
- Using **Chef** deployed and configured **Elasticsearch**, **Logstash** and **Kibana (ELK)** for log analytics, full text search, application monitoring in integration with **Cloud Watch**.
- Experience in configuring and managing **Chef master server** and involved in developing **recipes** and **cookbooks**.

- Automated the cloud deployments using **Chef** and AWS **cloud formation templates**.
- Experience configuring and managing **Puppet master** server and experience in updating and creating modules and pushing them to **puppet clients**.
- Implemented **SonarQube** to measure code coverage, code standard compliance, code duplication, and unit test results.
- Experienced with **CloudWatch** as IT Infrastructure Monitoring tool and knowledge on **Splunk**.
- Experienced with Databases Like **Oracle, SQL Server, MySQL, NoSQL (DynamoDB, Couchbase), Amazon Aurora**.
- Used both **GIT** and **Bitbucket** source control systems to manage code.
- Excellent experience in documenting and automating the build and release process.
- Experience in Linux systems administration and **kickstart** installation automation with Red hat-based Linux distributions.
- Good Interpersonal Skills, team-working attitude, takes initiatives and very proactive in solving problems and providing best solutions.

#### Technical Skills:

<b>Infrastructure service as</b>	AWS, EC2, RDS, S3, IAM, OpenStack, Azure.
<b>Cloud Platform</b>	AWS (EC2, ELB, S3), OpenStack (Nova, Swift, Glance), Azure, Cloud Foundry, AWS ElastiCache, AWS Redshift.
<b>Application Servers</b>	Web Logic Application Server 9.x, 10.x, Apache Tomcat 2.0.x, JBOSS 4.x/5.x, Red Hat, WebSphere 6.x/7.x/8.x
<b>Log Management tools</b>	Elastic Search, Kibana, Grafana, Logstash.
<b>CI Tools</b>	Jenkins, ANT, Maven, Bamboo.
<b>Container Tools</b>	Docker, Kubernetes, Amazon ECS, Helm, Minikube.
<b>Infrastructure as Code</b>	Terraform, Terragrunt, CFT.
<b>Configuration Management tools</b>	Chef, Puppet, Vagrant, Maven, Ansible, Consul.
<b>Virtualization</b>	VMware Client, Windows Hyper-V, vSphere 5.x, Datacentre Virtualization, Virtual Box, KVM, Power VM.
<b>Programming Languages</b>	C, SQL, HTML, PHP, XML, Bash, Perl and Shell Programming, JSP and Ruby.
<b>Network Protocols/Services</b>	LDAP, TCP/IP, UDP, FTP, SFTP, HTTP/HTTPS, SSL, DNS, and DHCP.
<b>Operating systems</b>	Linux (Red Hat 4/5/6/7, CENTOS & SUSE), Windows servers [2003, 2008, 2008 R2, 2012, 2012R2], Windows 2000, XP, Windows 7, Ubuntu 12/13/14.
<b>Monitoring tools</b>	Splunk, Nagios, Cloud Watch, log Stash
<b>Scripting</b>	Perl, Python, Ruby, Power Shell scripting, YAML, JSON
<b>Data base technologies</b>	Oracle, SQL Server, MySQL, NoSQL (DynamoDB, Couchbase), Amazon Aurora.
<b>Version control tool</b>	Git, Git Hub, Git Lab, Bitbucket, CVS, SVN.

**Certified: AWS Cloud Solution Architect Associate (Valid till 2023)**

**TCS/BP, Houston, TX**

**Mar' 2021 – Present**

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

**Responsibilities:**

- Responsible for day to day operation and support of the Continuous Integration and Continuous Deployment framework including upgrades, issues as well as executing POCs where necessary.
- Creating Repository in Bitbucket based on type of artifacts like ear, war and rpm and sql code.
- Managing and guiding source code strategy to development team for branching and tagging in Bitbucket.
- Integrating CI pipeline with configuration management tools for continuous deployment such as using Gitlab-CI with Puppet.
- Wrote Automated shell scripts to ensure Openshift -Environment is monitored end to end so that we can monitor in Bank's internal script based Monitoring tool.
- Implemented the containerized orchestration solution for WCS V9 on DEV and QA environments on OpenShift Container Platform (OCP) 3.10.
- Design, build, maintain and support the Apigee infrastructure
- Installed and configured GIT and communicating with the repositories in GITHUB.
- Implemented Security in Web Applications using Azure and Deployed Web Applications to Azure.
- Deciding and monitoring pull request merge to heavy branch by having reviewed and approved by senior developer or lead to avoid future issues like build failure.
- Guiding and drafting version control tools strategy such as GIT, Eclipse, and IntelliJ for pushing Source Code to Repository.
- Managing Jenkins On premise instances for Admin activity restart instances and configuration of new plug in or tools.
- Configuring Build tools in Jenkins to generate application artifacts in workspace with Apache Maven for Source Code and Binary Code.
- Creating Build job in Jenkins and have it configured with Junit, Cobertura, Sonarqube to maintain quality code before it migrates to higher region.
- Implemented routing rules and validation policies in APIGEE.
- Designed a patch process and wrote ansible playbooks for patching openshift -RHEL, atomic OS and also for bug fix for Openshift.
- Configured BGP routes to enable Express Route connections between on premise data centers and Azure cloud.
- Developed a Proof of concept to use GITLAB using Gitlab-ci.yml file to configure the CI/CD pipeline in AWS and implemented Clair for security scans in GitLab CI pipeline by configuring it through. Gitlab-ci.yml file.
- Responsible for setting up the multi node cluster for OCP & creating, managing necessary pods for respective docker images for the micro services based WCS.
- Configured with Jenkins job, source code vulnerability tool such as Fortify and Findbugs so that developer can identify status of vulnerability of code.
- Used Agile/scrum Environment and used Jenkins, GitHub for Continuous Integration and Deployment with Tier2 Support.
- Setting up apigee proxy API on Azure cloud platform Automating the Apigee installations and work flows.
- Setting up threshold for code coverage for Development team as per guidance of management for Junit and Cobertura. Configuring FOSS (Free Open Source Software) tool to identify vulnerabilities in source code so that code can go to higher environment without policy violation.
- Creating deployment job on Jenkins on premise for Windows and UNIX servers.
- Following with Serena Deployment Artifacts Team to monitor deployment logs.
- Provided high availability for IaaS VMs and PaaS role instances for access from other services in the VNet with Azure Internal Load Balancer.

- Following with Opsware team for deployment failure issue when it requires in deeper look.
- Operated on several prototype OpenShift projects involving clustered container orchestration and management.
- Experience in HP Automation Server tool for verification of deployment of artifacts such as EAR, WAR. Worked and involvement on AWS to provision new instances, S3 Storage Services, AWS EC2 & Cloud watch services.
- Machines, Azure Active Directory, Azure Storage) for Microsoft Developers Network including Partners and MVPs
- Worked on Automation process of Continuous Integration and Continuous Deployment by using groovy scripts on Cloud bees Jenkins for set up pipeline job.
- Worked on setting up deployment artifacts on Nexus Repository in cloud environment.
- Setting up regulator job and seed job to generate number of jobs without manual process for build and deployment job.
- Created Jenkins 2.0 Pipelines and utilized GitHub Webhooks for Continuous integration (CI) and Continuous Deployment (CD) of code from Pre-prod environments to Prod as a single push-button automation.
- Written build scripts using gradle for gradle builds in GitLab CI pipeline
- Have involved in creating different Apigee API documents as part of the project requirements.
- Develop UNIX scripting for automation and migrating code from PVCS Tools to Bitbucket so that for any developer it is easy to clone, pull and push source code for build.
- Implemented cloud services IAAS, PAAS, and SaaS which include Openstack, Docker and OpenShift.
- Experience Microsoft Azure data storage and Azure Data Factory, Data Lake
- Involved in code migration activity to related environments such as Development, Dev-Int, Quality Analyst Functional (QAF), Quality Analyst Regression (QAR), and Quality Analyst Performance (QAP), UAT and Production migration was done by respective team.
- Expert understanding of the CD workflow and working knowledge of release automation technologies.
- Involved working with a PaaS solution such as RedHat Openshift.
- Used Splunk and Kibana Tool for Metrics reporting after Continuous Integration and Continuous Deployment.

**Environment:**

Apache Maven 3, Java 1.8, Oracle 12g, GitLab, Openshift, Groovy Scripting 2.5, Unix shell scripting, Python scripting, Apigee, WCS, On premise Jenkins, Cloud bees Jenkins, Nexus Repository, AWS S3 Storage, EC2 Instances, Splunk, Kibana Metrics, JIRA, GitHub, Bit bucket, Window Server 2012, UNIX Server, Secure CRT, HP Server Automation, Serena Business Management Tool, Putty, Git, PVCS, SVN, WAS Node, Powershell.

**Sr DevOps AWS/SRE Engineer**

**State Street, Financial Company, Boston, MA**

**Apr' 2018 to Feb' 2021**

**Responsibilities:**

- Working on **designing** and **deploying** applications using **AWS** cloud infrastructure focusing on high availability, fault tolerance and auto-scaling of the instances.
- Experience in handling **AWS** Services such as **EC2, S3, EBS, VPC, ELB, Route53, Cloud Watch, Security Groups, Cloud Trail, IAM, CloudFront, EMR, RDS and Glacier.**
- Designed **Terraform** templates to create custom sized **VPC, subnets, NAT** to ensure successful deployment of **Web applications** and **database templates** on **AWS.**
- Worked on container based technologies like Docker, OPENSIFT and Kubernetes.
- Building the CI/CD process from scratch and implement gitlab CI, gitlab, docker, maven.

- Used **security groups, network ACLs, Internet Gateways and Route tables** to ensure a secure zone for organizations in **AWS public cloud**.
- Develop REST API proxies in the Apigee API Management platform. Requires knowledge of Apigee scripted policies and Javascript
- Supporting projects in WCS and users in activities around automated deployment of their applications into OCP
- Designed, deployed, maintained and lead the implementation of Cloud solutions using Microsoft Azure and underlying technologies.
- Integrated build Process through Jenkins/Hudson to various SCM tools like GitHub, Tortoise SVN.
- Setting up **IAM** user roles with corresponding user and group policies using **JSON**.
- Created **SNS (Simple Notification Services)** and triggering it by **Cloud Watch** monitoring to send SMS or Email to desired recipients.
- Worked with **Terraform** key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation and extensively used Auto Scaling launch configuration templates for launching **Amazon EC2 instances** while deploying Microservices.
- Configuring and maintaining Redhat OpenShift PaaS environment.
- Worked on creating the modules driven **AWS** Infrastructure with **Terraform**. Created Infrastructure **Git** repositories for **Terraform** to launch the stacks.
- Installing the Apigee Edge and monitoring the gateways Developed REST API's with authentication using Django as a platform Extensive windows and Linux configuration and automation.
- Expert in writing Templates for **AWS** infrastructure, as a code using **Terraform** to build Development, Testing, staging and production environments.
- Migrating from gitlab to docker and implementing gitlab inside docker.
- Deployed the initial Azure components like Azure Virtual Networks, Azure Application gateway , Azure Storage and Affinity groups.
- Collaborate in the automation of **AWS** infrastructure via **Terraform** and **Jenkins** - software and services configuration via **Ansible playbooks**.
- Worked extensively with **Terraform** and wrapped it **Terragrunt** and managed the back-end state in **S3 Bucket**.
- Managing the Openshift cluster that includes scaling up and down the AWS app nodes.
- Managed security groups on AWS, focusing on high-availability, fault-tolerance, and auto scaling using Terraform templates.
- Automated the release pipeline to achieve zero touch deployments using Jenkins, Ansible, Shell, Python, Nexus and GitHub.
- Containerizing the integration process by gitlab CI within docker.
- Wrote **Ansible playbooks** to manage **Web applications**. We coordinated with **TerraformDSL** for automating inside the **AWS cloud**.
- Widely used **Terragrunt** for deploying the changes to the specific instance and provisioning.
- Wrote an **Ansible** role that combined with **Terraform** and **Terragrunt** will deploy an **Elastic Beanstalk** application and environment.
- Configured VM networking with reserved IPs, Health Monitors, Firewall rules, VM scale sets and availability sets in the Azure Cloud.
- Managed, configured, installed RedHat OpenShift to deploy & Manage orchestration layer using Kubernetes & Docker.
- Deployed production ready **Kubernetes Clusters** on top of **AmazonEC2** instances using **KOPS**.
- Good experience in writing **Helm Charts, Kubernetes YAML** files for deployment of microservices into **Kubernetes** clusters.
- Leveraging **kops** implemented a **Kubernetes Container Orchestration** solution within **AWS** allowing for easy management, creation and recovery of **AWS** assets.



- Written Shell Scripts to restore Jenkins and GitHub from daily backups.
- Managed **Kubernetes** charts using **Helm**. Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed releases of **Helm** packages.
- Autoscaling, Load balancing of Cluster Nodes was maintained in OpenShift platform & autoscaling, load balancing, health checks, liveness probe, readiness probe was maintained for Kubernetes POD Deployments, services & Docker Containers.
- Worked with containerization tools, can implement transition to **Docker** and develop distributed cloud system using **Kubernetes** and **Helm** package manager for **Kubernetes**.
- Deployed microservices, including provisioning Azure environment.
- Experience in deploying **Splunk Enterprise** on **Kubernetes**.
- Coordinate with vendors like **Atlassian**, **JFrog** to review system information, troubleshoot Level 1 to Level 3 issues, reports bugs and submit improvements.
- Used **Packer** to create golden images with the custom configuration. Knowledge on creating **Kafka**, **zookeeper** and making AMI's by using **Packer**.
- Integrated **Docker** container-based test infrastructure to **JenkinsCI** test flow and set up build environment integrating with **Git** to trigger builds using Web Hooks and Slave Machines.
- Used **Kubernetes** to deploy Scale, Load Balance, Scale and manage **DOCKER** containers with multiple namespace versions.
- Used Kubernetes to create Pods, Config Maps and deployments into the cluster based on OpenShift Platform.
- Implemented Continuous Integration using **Jenkins**.
- Written and developed Chef Cookbooks from scratch for custom installation of application and updates.
- Developed build and deployment scripts using **MAVEN** as build tool in **Jenkins** to move from one environment to other environments.
- Troubleshooting the Azure Development, configuration and Performance issues.
- Implemented **Maven** builds to automate JAR, WAR, and EAR.
- Provisioned and maintained OpenShift Platform to deploy Docker images & Kubernetes clusters to test out various aspect of the micro-services.
- Used **Consul** in configuring few of the services in architecture.
- Used **Ansible** for configuration management of hosted Instances within **AWS**. Configuring and Networking of Virtual Private Cloud (**VPC**).
- Implemented **SonarQube** to measure code coverage, code standard compliance, code duplication, and unit test results.
- Configure and ensure connection to RDS database running on **MySQL** engines.
- Conducted performance testing of **Apache**, **Tomcat**, **Nginx** management services.
- **Versioning** and **Source control** of codes using **GIT** concepts such as branching, merging, labelling/tagging, branches locking, **access control** and **integration**.

**Environment & Tools:** AWS (EC2, GitLab, VPC, WCS, ELB, GitHub, S3, RDS, IAM, Cloud Trail and Route 53), GIT, Bitbucket, VPC, Route53, EBS, Apigee, SQL, ELB, Cloud watch, Openshift, CloudFormation, Terraform, Kubernetes, Helm Charts, Packer, Ansible, Consul, Docker, Maven, AWS CLI, AWS Auto Scaling, Unix/Linux, Shell scripting, Nagios.

## **AWS/DEVOPS ENGINEER**

**HCA Healthcare, Nashville, TN**

**Feb' 2015 – Mar' 2018**

### **Responsibilities:**

- Knowledge in **Amazon Web Services (AWS)** environment and good knowledge of AWS services like **Elastic Compute Cloud (EC2)**, **Elastic Load-balancers**, **S3**, **Elastic Beanstalk**, **Cloud -Front**, **Route53**, **Cloud -Watch**, **Cloud -Formation**, **IAM**, **VPC**, **RDB**, **IoT**, **DynamoDB**, **SES**, **SQS** and **SNS**.

- Used **AWS Beanstalk** for deploying and scaling web applications and services developed with **Java, PHP, NodeJS, Python** and **Docker** on familiar server such as **Apache**.
- Created **snapshots** and **Amazon Machine Images (AMI)** of the instance for backup and created **Identity Access Management (IAM)** policies for delegated administration within **AWS** to create new accounts, **roles** and **groups** and give **permissions**.
- Provided **security and managed** user access and quota using **AWS Identity and Access Management (IAM)**, including creating new **Policies** for user management.
- Involved in Designing and deploying AWS solutions using **EC2, S3, RDS, EBS Volumes, Elastic Load Balancer, Auto Scaling groups, Functions, Apigee, CloudFormation Templates, IAM Roles, Policies**
- Worked on Amazon **AWS EC2** cloud services for build, configuring and troubleshooting on various **Amazon images** like Amazon **Linux AMI, AIX, Red Hat 4.x, 5.x, Ubuntu 12.x, 13.x**.
- Worked on **Open Stack, AWS Cloud Formation, and Terraform** API to create infrastructure on AWS as a code. Extensively involved in infrastructure as code, execution plans, resource graph and change **automation using Terraform**, Managed AWS infrastructure as code using **Terraform**, Expertise in writing new plugins to support new functionality in **Terraform**.
- Converting existing AWS infrastructure to server less architecture (**AWS Lambda, Kinesis**) deployed via **Terraform** or **AWS Cloud formation**. Created the **AWS VPC network** for the Installed Instances and configured the **Security Groups** and **Elastic IP's** accordingly. Installing the **Load Balancers** and **VPC** with **Public** and **Private** subnets.
- Experience in creating inventory, job templates and scheduling jobs using Ansible Tower.
- Built scripts using **ANT** and **MAVEN** build tools in Jenkins, SonarQube and Nexus to deploy J2EE applications to server one. Integrating the Third Party Tools with **TFS for ALM & Traceability**.
- Virtualized the servers using the **Docker** for the test environments and dev-environments needs. And, configuration automation using **Docker containers**.
- Experience in creating **Docker Containers** leveraging existing Linux **Containers** and **AMI's** in addition to creating **Docker Containers**. Hands on experience in using tools like **Docker Compose, Kubernetes**, etc. for orchestrating, linking and deploying the services related to the **containers**.
- Used **Kubernetes** during debugging. Leading up to production when multiple application build must be tested for stability. Worked with various **scripting** languages like **Bash, Perl, Shell, Ruby, PHP** and **Python**.
- **Used Test** driven approach for developing the application and Implemented the unit tests using **Python Unit test framework**.
- Experience on centralized logging(Data) and monitoring tools such as **Elasticsearch, Logstash, and Kibana (ELK)**, Splunk dash boards for search and reporting and managing the **dashboard** access.

**Environment:** Amazon Web Services, IAM, S3, cloud watch, ANT, Maven, SonarQube Tortoise SVN, GitHub, Chef, Ansible, Docker, Fluentd Java, MongoDB, Spring Boot 1.2.x Agile, Apache HTTPD, Apache Tomcat, J Boss, Bash, Shell, Perl, Python, PHP, Ruby.

#### **Build and Release Engineer**

**Citi Bank, Irving, Texas**

**Jan ' 2013 - Feb' 2015**

#### **Responsibilities:**

- Creating the automated **build and deployment** process for application, re-engineering setup for better user experience, and leading up to building a **continuous integration** system for all our products.
- Maintained and administered GIT source code tool. Created Branches, Labels and performed Merges in Stash and GIT.



- Regular Build jobs are initiated using the **Continuous Integration tools** like **Jenkins**. Developed processes, tools, automation for Jenkins based software for build system and delivering SW Builds.
- Configured Jenkins for doing the build in all the non-production and production environments.
- Deployed **Puppet, Puppet Dashboard, and Puppet** for configuration management to existing infrastructure. Wrote **puppet manifests** for deploying, configuring, and managing collected for metric collection and monitoring. Refactored puppet manifests to reflect best practices. Wrote **Puppet modules**.
- Implementing Puppet modules to automate the configuration of a broad range of services. Build automatic provisioning system with kick start and Puppet.
- Responsible for **OpenStack** project core infrastructure including code review, continuous integration systems, and developer tools. Scaled developer infrastructure as project grew and transitioned to OpenStack Foundation
- Optimized database OpenStack schemas and provided consultation to various service teams for query performance improvements.
- Experience in managing Source control systems **GIT and SVN**.
- Managed build results in **Jenkins** and deployed using **workflows**. Maintain and track inventory using Jenkins and set alerts when the servers are full and need attention.
- Modeled the structure for multi-tiered applications orchestrates the processes to deploy each tier.
- Developed build and deployment scripts using **ANT and MAVEN** as build tools in Jenkins to move from one environment to other environment. Experience in administering and maintaining Atlassian products like **JIRA and confluence** and deployed specific versions of various modules of an applications into target environment using **Udeploy**.
- Monitoring of applications, servers, doing capacity planning with the help of **Nagios** and **Splunk** for managing logs to notify the incident management system upon reaching or exceeding the threshold limits.
- Configured maintained and administered **Linux systems** that host build and release engineering apps by constantly monitoring system load and memory consumption.
- Familiar and experienced with **Agile Scrum development**.
- Presented on View Object pattern in **Web Application Automation C#, Ruby, S, TeamCity**. Migration of a continuous build server using Cruise Control over to a more **GUI-friendly Team City**. Managed continuous integration environment using TeamCity. Used Bamboo for official **nightly build**, test and managing change list. Installed **multiple plugins** for smooth build and release pipelines.
- Involving in Setting up **Chef Workstation, boot strapping** various enterprise nodes, setting up keys.
- Integrated GIT into Jenkins to automate the code check-out process. Used **Jenkins for automating Builds and Automating Deployments**.

**Environment: Openstack, Maven, Ant, Agile, Jenkins, Java etc**