**Soundarya**

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**Professional Summary:**

* 10 years in IT comprising of Designing, Development, Integration of DevOps tools, Cloud Automation, Configuration Management, Provisioning, Build and Release, Continuous Integration/Deployment, Delivery management and Cloud Migration.
* Experienced in implementing Cloud Solutions using various AWS Services including EC2, VPC, S3, Glacier, EFS, AWS Kinesis, IAM, Lambda, Directory Services, Security - Groups, CloudFront, Ops Work and Cloud Formation, Elastic Beanstalk, RDS, SNS, SQS, SES, DynamoDB, Redshift, EMR, ELB, Route-53 etc.
* Well experienced in Designing high availability (HA) applications on AWS across Availability Zones and Experience on fault tolerance, Disaster Recovery and auto-scaling in AWS CloudFormation.
* Experience developing different types of azure functions such as Http trigger, Timer trigger, Durable functions, Service bus trigger, Event-Hub trigger, and many others.
* Experience in configure and maintain DNS systems using BIND, Route53 (AWS), and Power DNS.
* Good knowledge in Infrastructure as Code by using Terraform and CloudFormation and Worked on creating CloudFormation templates for dev, test, staging and production.
* Experience in deploying, troubleshooting Nova, Neutron, Keystone, Cinder, Swift, Glance, Heat component of OpenStack on various versions Icehouse, Kilo, Newton, and Ocata.
* Extensive exposure in OpenStack Command Line interface to create instances, images, volumes, flavors, containers and tenants.
* As an OpenStack admin, managed creation of new users, tenant and also assigning resource quotas to OpenStack users using Keystone.
* Hands on experience in Microsoft Azure Cloud Services (PaaS & SaaS), Storage, Active Directory, Application Insights, Azure Function Apps, Web Apps, Logic Apps, Service Bus, Key Vault.
* Enterprise Architect role specializing in AWS/Azure Cloud, Security, DevOps CI/CD, AEM 6.2, Healthcare (EMR/HER), Salesforce.com, Workday, DW/BI, call center, telephony, software development, infrastructure, network and data center design.
* Experience in combining multi-node software deployment using Ansible and writing playbooks run ad-hoc commands for automation of tasks using Ansible.
* Good understanding of Knife, unattended Node Bootstrapping process, Roles, Environments, Data Bags and their encryption using Vault etc.
* Hands on with Puppet Manifest files to deploy automated tasks to many servers at once and used Puppet to create manifests, modules, files, and packages stored in the GIT repository.
* Experienced in environment provisioning solutions using Docker, Vagrant and Red Hat Satellite.
* Good Knowledge on Docker components like Docker Engine, Docker-Hub, Docker-Compose, Docker Registry, Docker container snapshots and Docker Swarm. Used Docker for local Application Deployment and Vagrant for different infrastructure setup and testing of code.
* Worked with Kubernetes to manage containerized applications using its nodes, ConfigMaps, selector, Services and deployed application containers as Pods.
* Worked with Windows Azure services like IaaS (Infrastructure as Service), SaaS (Software as Service), PaaS(Platform as Service) and worked on storages like Blob (page and Block).
* Experienced with Hashi corp tools like, Vault and Consul
* Worked on Harshi corp Vault secret management tool to provide security for credentials, tokens and API keys.
* Good Hands-on experience in continuous Integration tools such as Jenkins and Bamboo for automating the build processes. Implement CI and CD processes using AWS CodeCommit, CodeBuild, CodeDeploy, CodePipeline, Jenkins, Bitbucket Pipelines, Elastic Beanstalk.
* Hands on experience in Azure Development, worked on Azure web application, App services, Azure storage, Azure SQL Database, Logical App, Virtual machines, Fabric controller, Azure AD, Azure search, and notification.
* Experience in writing Jenkins Pipeline Groovy Scripts for Continuous Integration and build workflows and Used Jenkins uploading Artifacts into Nexus Repository.
* Extensively experienced in using Build Automation and standardization tools like ANT, Maven, Gradle and working experience in authoring POM.xml files and automatically compile, package, test, build and deploy .NET and J2EE applications to Web Sphere and JBoss Application Server (WAS6).
* Skill of database technology like SQL, PLSQL, MySQL, RDS including NoSQL (DynamoDB) databases.
* Creation of Prometheus-Grafana setup using Terraform/Ansible for various targets like Kafka, Mysql, node exporters etc.
* Used Content stack Management tool for migrating the java code and customized solutions that increased the platform’s functionalities and supported integration with relevant APIs.
* Allowed content editors to build and edit dynamic pages within the headless CMS without help from a developer.
* Experienced in developing web applications using C#, ASP.NET Core, ASP.NET MVC, ASP.NET, ASP.NET Web API, .NET Core 2.2, and using Microsoft Azure DevOps Services for project management tasks, source code repository, continuous integration, and artifacts generation.
* Implementing various resources in Azure using Azure Portal, PowerShell on Azure Resource Manager deployment models. Experience deploying Infrastructure as Code (IOC) applications using ARM Templates (JSON).
* Worked with different Bug tracking tools like JIRA, Bugzilla, and Remedy.
* Experienced on Task Scheduling & System backup using Python, Ruby, Bash and Shell Scripting.
* Proficient in deploying and configuring Elastic search, Log Stash, Kibana(ELK) and AWS Kinesis for log analytics and also experienced in monitoring servers using Nagios, Splunk, CloudWatch, and Zabbix.
* Experience in installation and management of network related services like TCP/IP, FTP, SSH, DNS, TELENT, HTTP, HTTPS, VPN, FIREWALL, SUBNETS, SMTP, CDN.
* Experience working on various flavors of Linux and Unix like RedHat, Ubuntu, CentOS, and Solaris.
* Broad experience in Linux/Unix System Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Migration, and Troubleshooting.
* Designed and developed various abstract classes, interfaces, classes to construct the business logic using C#
* Well versed with Software development life cycle(SDLC), Software Test life cycle (STLC) and Bug life cycle and worked with testing methodologies like Waterfall and Agile (SCRUM).

**Technical skills:**

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| --- | --- |
| Operating System: | Red hat Linux, Ubuntu, CentOS, SUSE LINUX, UNIX, Windows servers |
| Containerization: | Docker, Kubernetes |
| Automation and Configuration Tools: | Jenkins, Chef, Ansible, Puppet, Docker, Kickstart, Maven Vagrant, Bamboo, Terraform, Ant |
| Cloud Services: | Amazon Web Services (AWS), OpenStack, Azure |
| Web Servers: | Apache Tomcat, Samba, JBOSS, WebLogic, Nginx |
| Version control tools: | GIT, Bitbucket, SVN, Perforce DB2, MS SQL Server, MYSQL, RDS, NoSQL-MongoDB, Cassandra DB, DynamoDB |
| Scripting: | Ruby, Python, Perl, HTML5, YAML, JSON, Bash, shell, Power Shell, batch. VMware ESX/ESXi, Windows Hyper V, Virtual Box, Citri Xen, Power VM, KVM |
| Networking /Protocol: | FTP/SFTP, SMTP, TCP/IP, HTTP/HTTPS, NDS, DHCP, NFS |
| Monitoring and Collaboration tools: | Nagios, Thruk, Splunk, Elasticsearch, Logstash and Kibana(ELK), CloudWatch, CloudTrail, Dynatrace, Jira, slack |
| Volume Manager: | VERITAS Volume manager, LVM |
| Operating System: | Red hat Linux, Ubuntu, CentOS, SUSE LINUX, UNIX, Windows servers |

**Professional Experience**

**Client: DTCC July 2021 – Present**

**Cloud DevOps Engineer**

**Location: Tampa, FL**

**Responsibilities:**

* Hands-on experience in designing, planning and implementation for existing on-premises applications to Azure cloud (ARM), configured and deployed Azure automation scripts utilizing Azure stack services and utilities focusing on Automation.
* Experience in Azure DevOps for Issue tracking and project management while experienced in repository manager for sharing the artifacts within the company. Also, supported and developed tools for integration, automated testing, and release management.
* Implemented Terraform modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Managing windows/Linux servers, troubleshooting IP issues, and working with different support teams.
* Worked closely with Application and DB teams to adjust operating systems, data disk sizes and other parameters, increment VMs and rerun pipelines as per requirements while all applications and databases are migrated.
* Installed and configured GIT to implement branching strategy which is suitable for agile development and also provided continues support and maintenance of software builds.
* Configured VMs in availability sets using ARM templates and drive end to end deployment of various components on Azure platform.
* Worked with Windows Azure services like IaaS (Infrastructure as Service), SaaS (Software as Service), PaaS(Platform as Service) and worked on storages like Blob (page and Block).
* Performed real-time system monitoring, traffic tracking and trend analysis using Network Management tools (e.g. Splunk, Insight Manager)
* Created CI/CD pipelines in Azure DevOps environments by providing their dependencies and tasks.
* Automated various infrastructure activities like continuous deployment using Ansible playbooks and has integrated Ansible with Jenkins on Azure.
* Provided solutions to how to communicate prime to Azure, design Vnet, subnets, ASR, backup recovery process, monitoring and applied ASR as per client requirements.
* Implemented BDCR utilizing Azure ASR across regions while monitoring the replication health status and troubleshooting.
* Worked on deploying web servers, cloud resources into Azure environment by integrating ServiceNow with service provider.
* With the help of the Content stack, worked across numerous channels for content creation, from development and testing to staging and production.
* Worked on Azure Site Recovery, and Azure backup and failover – Deployed instances on Azure environments and migrated data centers to Azure using ASR, collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Hands on experience on Azure PaaS Components which include Azure Web App, Azure Function Apps, Azure SQL Database, Azure Application Gateway, azure function apps, azure logic apps, azure front door, azure dns, azure application insights, log analytics, azure automation accounts, event grid.
* Setup backup for azure virtual machines using azure recovery vault.
* Setup alerts using azure monitor and automate the response in case an alert is triggered.
* Worked on deployment of products using azure DevOps. This included various stages of deployment and included the deployment of core resources using arm templates (incremental deployment using nested templates).
* Automated processes like new site deployment, scale management of azure web apps. Monitoring of web apps referring to the metrics.
* Used ContentStack for premium uptime SLA and auto-scaling computing configured to manage surges in heavy demand.
* Developed a unified view of resource usage to help control cost and cloud provider spending, to provide transparency for various cloud resources using ServiceNow.
* Engage the stakeholders appraising them of the day-to-day activities.
* Handle HIGH Priority escalations and bring them to resolution.
* Engage various teams to troubleshoot P1 issues.
* Assist in drafting the root cause response for the stakeholders.
* Monitoring the environment & ensuring that the services are available 24x7.
* Resolving Infrastructure related issues which includes over 300 Windows Machines (Physical & Virtual) hosted in on premises and Azure platforms.
* Deploying patches to cloud applications and environments; assisting the clients with application management and deployment
* Evaluating, recommending, and deploying the tools to implement the best industry standards and processes.
* Broad understanding in planning, design, deployment, and management of enterprise IT; proficient in running successful process-oriented operations, entailing implementation of cost cutting strategies as well as initiatives for business excellence.

**Environment**: Microsoft Azure, Ansible, Terraform, Jenkins, Azure AD, Azure ARM, Azure KeyVault, Azure Monitor and Alerts, GIT, Jira, Python, Load Balancers, Splunk, Apache Tomcat, Windows and Linux servers, VSCode, PowerShell.

**DEVOPS ENGINEER Jan 2020 – Jun 2021**

**Client: Spectra Lab**

**Location: NEW JERSEY**

**Responsibilities:**

* Involved in designing and deploying a multitude of applications utilizing almost all the AWS stack including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS,EKS, ECS, LAMBDA, REDSHIFT, focusing on high-availability, fault tolerance and auto-scaling in AWS cloud formation.
* Supported AWS cloud environment with 200+ AWS instances and configured Elastic IP & Elastic Storage and experience in working on implemented Security groups and Network ACLs.
* 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).
* Worked on AWS CloudWatch, CloudFormation, Cloud Trail services and CloudFront to setup and manage cached content delivery. Created Elastic load balancers (ELB)and used Route53 with failover and latency options for high availability and fault tolerance.
* Experience in implementing AWS lambda to run servers without managing them and to trigger run code by S3 and SNS.
* Modified web services using C# to interact with the other applications and exposed them using SOAP and HTTP.
* Experience in implementing Data warehouse solutions in AWS Redshift, worked on various projects to migrate data from one database to AWS Redshift, RDS, ELB, EMR, Dynamo DB and S3.
* Implemented AWS Code Pipeline and Created Cloud formation JSON templates in Terraform for infrastructure as code.
* Configured service now to integrate with AWS to create Resource Profiles, configure governance, populate cloud service catalog using blueprints and hands-on experience with troubleshooting issues of ServiceNow integration with cloud management.
* Developed custom solutions in C# and PowerShell to validate availability, consistency, and compliance of environments.
* Writing Helm Charts, Kubernetes yaml files for deployment of microservices into kubernetes clusters.
* Understand the latest features like (Azure DevOps, OMS, NSG Rules, etc..,) introduced by Microsoft Azure and utilized it for existing business applications
* Automate provisioning and repetitive tasks using Terraform and Python, Docker container, Service Orchestration.
* Managed the tasks like protecting credentials, granting secrets needed to deploy applications like database passwords and API tokens using Vault.
* Extensively worked on ansible deployments, written various ansible playbooks with multiple roles, tasks with loops, templates, service management, host variables, group variables etc.
* Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Implemented multi-tier application provisioning in OpenStack cloud, integrating it with Ansible, migrating the application using Maven as build tool.
* Extensively involved in Version Control, Build & Release Management and Deployments of the Solutions to the DEV, QA & PROD Environments leveraging Azure DevOps (VSTS)/TFS principles/process (CI/CD) and toolsets of Visual Studio, Docker Containers, AKS ( Azure Kubernetes Service), App Service, Application Insights and new Az/ Power Shell modules.
* Responsible for Continuous Integration and Continuous Delivery process implementation using Jenkins along with Python and Shell scripts to automate routine jobs.
* Deploying application using Jenkins server and Troubleshoot build and release job failures, resolve, work with engineers on resolution.
* Responsible for coding, developing and implementing solutions using C# and ASP.NET.
* Integrated Ant and Maven with Jenkins to run to automate the build process as a part of continuous delivery.
* Experience in working with EC2 Container Service plugin in Jenkins which automates the Jenkins master-slave configuration by creating temporary slaves.
* Integrating Defect tracking tool JIRA with Confluence and Jenkins CI server for identifying, logging and, tracking and documenting defects/issues in real-time.
* Coordinate and assist developers with establishing and applying appropriate branching, labeling/naming conventions using GIT source control and analyzed and resolved conflicts related to merging of source code for GIT.
* Developing Azure PaaS services like WebApp, API App,Web Job, Logic App,Function App,Storage Queue, Service Bus Queue, Azure SQL.
* Administration of JFrog Artifactory, which includes uploading the artifacts, third party binaries, creating repository and maintain the Artifactory
* Setup the Configuration for projects to publish snapshot and release artifacts to JFrog Artifactory to share artifacts across projects and environments.
* Focused on containerization and immutable infrastructure. Docker has been core to this experience, along with Docker Swarm and Kubernetes.
* Created scripts in DSL Groovy which integrate with Jenkins for Automation to create seed jobs.
* Integrated Kubernetes with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created Docker images using a Docker file. Worked on Docker container snapshots, removing images and managing docker volumes and experienced with Docker container service.
* Working on variety of Unix platforms, which includes installation, configuring and maintenance of applications for prod/stage/dev environments.
* Developed Business logic components in C# and Data access layer components using ADO.Net, C# and HTML.
* Designed and developed 3-tier web application in .NET framework using C#, ASP.NET, JavaScript
* Implemented Micro services, application development, and migration using AZURE services such as Azure DevOps, Kubernetes Service (AKS), Container Registry, Cosmos DB, and, Azure pipelines, Monitor, RBAC, Kubernetes AKS and Kubernetes API to run workloads on AKS.
* Developing Azure PaaS services like WebApp, API App,Web Job, Logic App,Function App,Storage Queue, Service Bus Queue, Azure SQL.
* Developed DevOps Scripts in Groovy to automate and collection analysis of Cassandra.
* Migrate IaaS, PaaS and SaaS instances between public and private clouds - Apache, RDBMS, Unix/Linux, NAS/SAN, LAN/WAN VPN, Security, IDS, Firewalls and Encryption.
* Involved in SCRUM ceremonies (stand-up, grooming, planning, demo/review and retrospective) with the teams to ensure successful project forecasting and realistic commitments.

**Environment**: AWS, OpenStack, Ansible, ElasticSearch, C#, .NET, LogStash and Kibana (ELK), Ant, Maven, Jenkins, Shell, Jira, Python, Load Balancers, Apache Tomcat, Docker, Kubernetes, Groovy scripting, Configured plug-ins for Apache HTTP server, Nginx, LDAP, JDK1.7, XML, GitLab.

**Client: USAA May 2017 – Dec 2019**

**Role: DevOps Engineer**

**Location: San Antonio, TX**

**Responsibilities**

* Implemented AWS solutions using S3, RDS, EBS, Elastic Load Balancer, and Auto-scaling groups, Optimized volumes and EC2 instances and Using Jenkins AWS CodeDeploy plugin to deploy to AWS.
* AWS Cloud management using Chef Automation and Automated the cloud deployments using chef, python and AWS Cloud Formation Templates.
* 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.
* Designed and implemented CI/CD pipelines using Git, Jenkins, Maven, ECR and EKS from scratch acgeiving end to end automation from code check into deploying docker images to EKS clusters.
* Worked with AWS CLI and AWS API to manage resources on AWS for many services such as a EC2, S3, VPC, Cloud Watch, ELB, Auto-scaling, created python script using AWS API Calls to manage all resources deployed on AWS.
* Configured AWS IAM and Security Groups in Public and Private Subnets in VPC Managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements and worked as Admin.
* Provided high durability of the available data using data storage in the AWS S3 bucket, versioning S3, lifecycle policies. Also, webhosting the data from the S3 bucket by creating URL's.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, Node.js, Python and Ruby on familiar servers like Apache, Nginx, Tomcat.
* Design and develop Web Applications using ASP.NET MVC 5 and C# that are used by internal users.
* Migrated VM's from VMware ESXi to OpenStack Environment using virt-v2v packages and deployed Zabbix to monitor and alert the health of Nova, Neutron, Keystone and other OpenStack services.
* Deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch.
* Installed Workstation, Bootstrapped Nodes, Wrote Recipes and Cookbooks and uploaded them to Chef Server, Managed On-site OS Applications, Services, Packages using Chef as well as AWS for EC2, S3 & ELB with Chef Cookbooks.
* Worked on Ansible setup, managing hosts file, Using YAML linter, authoring various playbooks and custom modules with Ansible.
* Created inventory in Ansible for automating the continuous deployment and wrote playbooks using YAML scripting.
* Written Terraform templates, Chef cookbooks pushed them onto Chef for configuring EC2 Instances and Solved Gateway time issue on ELB and moved all the logs to S3 Bucket by using Terraform.
* Configuring the Docker containers and creating Docker files for different environments.
* Used Jenkins and pipelines to drive all micro services builds out to the Docker-registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Creating clusters using Kubernetes and worked on creating many pods, replication controllers, deployments, labels, health checks and ingress by writing Yaml files.
* Helped in creating a next generation platform using CoreOs Linux with fleet / Kubernetes based on docker containers running in a microservices ecosystem on VMWare ESXi.
* Writing Helm Charts, Kubernetes yaml files for deployment of microservices into kubernetes clusters.
* Creating Advance Jenkins Pipeline with Jenkins Pipeline Scripted Syntax to Trigger Other Remote Jobs on Other Jenkins Masters.
* Strong Experience in developing projects/application using C#, ASP.NET, ADO.NET, VB.NET, C++, AJAX, XML and Web Services.
* Used C# as code behind to implement the business logic of the web forms.
* Monitor health and performance of servers and containers in Prometheus using Grafana and alert manager.
* Automated the deployment of Java and .Net applications with the use of Jenkins.
* Developed and maintained the continuous integration and deployment systems using Jenkins, Maven, JBoss and Jfrog Artifactory.
* Extensively used C#.Net for developing the user controls.
* Implemented SonarQube for generating code coverage with Check style, PMD, Find bugs and JaCoCo plugins.
* Created and wrote shell scripts (ksh, Bash), Python and PowerShell for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like GIT.
* Responsible of installing, updating, diagnosing and troubleshooting the issue tracking and project management application, learning agile methodology by JIRA.
* Implemented idea of secret management for micro services, and creating service and ingress rules for each micro service. Worked on setup the kubernetes sandbox on Azure Kubernetes Services (AKS) for testing the different features.
* Developed features for customer facing website using C#, ASP.NET MVC 4/5, CSHTML, Html Helpers, JavaScript, JQuery, KnockoutJs, Kendo UI,AJAX, Bootstrap, CSS, LINQ, Entity Framework, WCF, SQL Server.
* Installed, tested and deployed monitoring solutions with Nagios and Thruk services and deployment Server Topologies in Nagios.
* Installation and configuration of Linux servers using kickstart & support for various applications, which on Linux followed by performance tuning, patching and maintenance.

**Environment**: AWS (EC2, S3, VPC, ELB, RDS, EBS, Cloud Formation, Cloud watch, Cloud trail, EKS, ECS, Route 53, AMI, SQS, SNS, Beanstalk, Lambda, CLI), OpenStack, Docker, kubernetes, Chef, Puppet Ansible, Terraform, Jenkins, Grafana, Kafka, ANT, Maven, Git, Jira, SonarQube, Bash, Shell, Perl, Python, C#, Ruby, Tomcat, WebLogic, AutoScaling, Route53, DNS, Nagios, Thruk, ELK, RHEL, etc.

**Client: TCS Oct 2016 – Feb 2017**

**Role: Linux Administrator**

**Location: India**

**Responsibilities:**

* Experience in implementing Data warehouse solutions in AWS Redshift. Worked on various projects to migrate data from one database to AWS Redshift, RDS, ELB, EMR, Dynamo DB and S3.
* Used AWS Cloud Formation templates to create custom sized EC2 instances, VPC, subnets, NAT, ELB and Security groups.
* Designed and implemented CI/CD pipelines using Git, Jenkins, Maven, ECR and EKS from scratch acgeiving end to end automation from code check into deploying docker images to EKS clusters.
* Depoyed applications on Azure Cloud using Elastic services AKS and Azure Container Services.
* Created alarms and trigger points in CloudWatch based on thresholds and monitored the server's performance, CPU Utilization, disk usage and Utilized AWS CloudWatch services to monitor environment for operational & performance metrics during load testing.
* Worked on CloudFront to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
* Design and Development in various modules in Mainframe environment
* Created Python scripts to totally automate AWS services which includes web servers, ELB, CloudFront distribution, EC2, database, security groups, S3 bucket and application configuration, this script creates stacks, single servers, or joins web servers to stacks.
* Used OpenStack and AWS cloud services to launch Linux and windows machines, created security groups and written basic PowerShell scripts to take backups and mount network shared drives.
* Worked on backup functionality and design using Azure and also have knowledge on azure based disaster recovery.
* Involved migration of code from existing Mainframe backend/ CICS based system to Java front end
* Worked on AWS costs by writing the Ansible Playbooks for auto Start/Stop of AWS resources at the time of the day by triggering it from Jenkins and knowledge on RHEL on Ansible Playbooks, Modules and Roles.
* Designed various Jenkins jobs to continuously integrate the processes and executed CI/CD pipeline using Jenkins, Ansible Playbooks and Ansible Tower.
* Authored Playbooks in Ansible using YAML scripting and Manifests in Puppet using DSL to provision Nginx, Apache Spark, Apache Web servers, and Tomcat servers. And custom modules with Ansible Playbooks to automate in AWS services like Launching EC2, Provisioning IAM, and Configuring VPC.
* Installed Jenkins and perform troubleshooting during installation to implement the CI process for the Java application builds.
* Involved in creating Jenkins pipeline jobs for Puppet release process for module deployment, using Kanban AGILE methodology for puppet development.
* Installing and configuration of an automated tool Puppet that included installation and configuration of Puppet Master, Agent nodes and an admin control workstation.
* Created Ansible Playbooks and Puppet Manifests to provision Apache Web servers, Tomcat servers, Nginx, Apache Spark and other applications.
* Manage AWS EC2 instances utilizing Auto Scaling, Elastic Load Balancing and Glacier for our QA and UAT environments as well as infrastructure servers for GIT/Bitbucket and Puppet.
* Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker, on GCP. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Using Kubernetes, I have controlled and automated application deployments and updates and orchestrated deployment.
* Automated applications and MySQL container deployment in Docker using Python and monitor them using Nations.
* Integrated Selenium automation regression test suite in Jenkins build pipeline.
* Configured Nagios to monitor EC2 Linux instances with puppet automation.
* Implemented continuous integration web hooks and workflows around Jenkins to automate the dev test deploy workflow around Puppet codebase.
* Automate Deployment using configuration Management tool like OpsWork s - Chef to provision Amazon AWS Instances to enable continuous Deployments.
* Integrate Splunk with AWS deployment using puppet to collect data from all EC2 systems into Splunk.
* Automated Nagios alerts and email notifications using python script and executed them through Chef.
* Involved in installing, configuring and administration of Redhat Linux 4.x, 5.x, 6.x/7 servers by using Kickstart and Jump Start servers and supported various applications running on them.
* Worked in the AGILE Methodologies with 3week sprint cycle, used ServiceNow for SDLC management
* Implemented Kickstart/PXE Boot Servers that Rsync between multiple locations.
* Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files including POM .xml.
* Good experience in converting build.xml into pom.xml in order to build the applications using MAVEN.

**Environment**: Linux (RHEL 4.x/5.x/6.x/7), AWS, Azure, SRE, RedHat Satellite Server, Puppet, Ansible, Jenkins,Ansible Chef, Docker, Kubernetes, Splunk, Nagios, Veritas cluster 5.x, WebLogic, WebSphere, Apache web servers, Tomcat servers, Apache Spark, Nginx, Shell Scripting, Python, Git/Bitbucket, Maven VMware ESX 2.x & 3.x, SAP.

**Client: Next Page IT Solutions Feb 2013 – Sep 2016**

**Role: IT Analyst**

**Location: India**

**Responsibilities**

* Administered large scale server environments consisting of over 800 RHEL 5/6 VMWare VMs running multiple technologies including Apache, JBoss, Memcached, MySQL, postfix, ActiveMQ, python.
* Performing configuration management tasks on 150+ servers with the aid of Puppet Master Server and involved in writing Puppet manifests for customized configuration management.
* Automated deployment modules of IIS web applications, bindings and configuration settings using a combination of PowerShell scripts and Puppet.
* Extensively worked on Hudson and Jenkins for continuous integration and for End to End automation for all build and deployments.
* Worked on Docker and Ansible in build automation pipeline and Continuous Deployment of code using Jenkins and wrote Playbooks to automate Ansible servers using YAML scripting and Developed an Ansible role for Zabbix-agent which will be integrated into the to the CICD pipeline.
* Enabling users to better manage software development, deployments and infrastructure with tools such as Jenkins and GITHub/Bitbucket.
* Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
* Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
* Automated the release pipeline to achieve zero touch deployments using Jenkins, SVN, Nexus, and Nolio.
* Implementing a Continuous Delivery framework using Puppet, Bamboo in Linux environments.
* Experience in developing Puppet modules (blue prints) for installation, configuration and continuous integration (CI) using combination of Puppet Master, GIT, Vagrant and Jenkins/UDeploy
* Worked on setting up the Jenkins Pipelines, Jobs, and administration of entire Jenkins infrastructure for release automation of 30+ Java based applications.
* Experienced in branching, tagging, and maintaining the version control systems across the environments using SCM tools like GITHub, Subversion (SVN), Atlassian, GIT lab and TFS on Linux and windows platforms.
* Strong in building Object Oriented applications using C++ and Java, writing Shell Scripts and Perl Scripts on UNIX.
* Experience in implementation of TCP/IP, HTTP, FTP, NIS, NIS+, DNS, DHCP, NFS, NAS, RAID, Jumpstart installation of Solaris and Kick start in RedHat Enterprise Linux.
* Responsible for Installation and Configuration of Solaris 8/9/10 servers, RHEL servers (3/4/5/6) and AIX servers.
* Experience in Manage file systems using Software RAID and recover an array, manage file systems using Logical Volume Management, resize file systems and protect them with LVM Snapshots.
* System configuration/hardening using IP tables, SE Linux TCP Wrappers, ACL and traditional permission on Linux servers as well as restricting access to terminals, disabling unnecessary services and securing.

**Environment**: Perl Scripting, Shell Scripting, Subversion, Perforce, Hudson, Jenkins, Bamboo, GIT, Web services, Web Logic, Puppet, GIT, Vagrant, MCO, uDeploy, Mercury, Quality center, Visual Build, .Net, ANT, TFS 2010 (Team Foundation Server), J2EE, Web sphere, MySQL, Anthill Pro.

**Education:**

B. Tech, Vignan College of Engineering – 2012