**Rahul Tirunagari**

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**PROFESSIONAL SUMMARY:**

* Total 12+ years of work experience comprising Software Configuration Management (SCM), DevOps Build/Release Management, Systems Administration, Change/Incident Management and Cloud Management.
* Work on an Agile team developing REST APIs to support an agent internal operations tool.
* Experienced in all phases of the software development life - cycle (SDLC) with a specific focus on the build and release of the quality software. Experienced in Waterfall, Agile/Scrum and most recently Continuous Integration (CI) and Continuous Deployment (CD) practices
* Worked with IaaS (Infrastructure as a Service), SaaS (Software as a Service), PaaS (Platform as a Service) and solutions.
* Good experience in Extraction, Transformation and Loading (ETL) data from various sources into Data Warehouses and Data Marts using Informatica Power Center.
* Experience in administering & automating Solaris & Linux. Experience in Automation, Installation, Configuration, Backup, Recovery, Maintenance, Support of Linux (Ubuntu, CentOS, RHEL).
* Excellent experience in documenting and automating the build and release process.
* Used Stack Driver and AWS cloud monitoring extensively to monitor and debug the cloud-based AWS EC2 services.
* Hands on experience in using version control tools like Subversion (SVN), GIT, GitHub and Bitbucket.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
* I was created Jenkins Pipelines using Groovy script to automate the process to deploy. Extensively used build utilities like Maven, ANT and Gradle for the building of .jar, .war and .ear files.
* Skilled enough to build deployment, build scripts and automated solutions using scripting languages such as Shell, Python, Ruby, Perl etc.
* Experience in using Nexus Repository Manager for Maven builds. In-depth understanding of the principles and best practices of Software Configuration Management (SCM).
* Designed and implemented fully automated server build management, monitoring, and deployment by using Ansible playbooks and Modules.
* Worked with Ansible Playbooks for virtual and physical instance provisioning, Configuration management, patching, and software deployment.
* Good experience in automating CI and CD pipelines. Worked on provisioning different environments using Chef, Puppet, and other Configuration management tools.
* Server provisioning, automation (Puppet/Chef/Ruby), maintenance and performance tuning Hands-on experience in installing and administrating CI tools like Hudson/Jenkins, Team city, Bamboo and ALM tools like Anthill Pro and TFS.
* Used Puppet and Chef for Configuration Management tool. Automation using Puppet and involved in developing Manifest and Modules for System and Application Configuration Management.
* Implemented multi-tier application provisioning in AWS, Open stack cloud and integrating it with Chef/ Puppet.
* Experience integration of Kafka with Spark for real time data processing. Integrated Kafka with Flume in sand box Environment using Kafka source and Kafka sink.
* Experience in implementing Nginx as ingress controller on Kubernetes. Experience and knowledge in orchestrating Kubernetes cluster on GCP and private cloud as MVP.
* Worked on installation of Docker using Docker toolbox. Server setup and nginx including F5 load balancing.
* Worked with OpenShift platform in managing Docker containers and Kubernetes Clusters. Hands on experience in using version control tools like Subversion (SVN), GIT, GitHub and Bitbucket.
* Experience in implementing Horizontal Pod Autoscaler on Kubernetes. Coordination experience with various teams like Dev, QA and Production Operations.
* Expertise in Amazon Cloud Services and its features (AWS EC2, VPC, EBS, AMI, snapshots, Auto scaling, Cloud Formation, Lambda, SES, SQS, SNS, RDS, ELB, EBS, Cloud Watch, S3 etc.).
* Expert level knowledge on Cloud AWS Services. Handled operations and maintenance support for AWS cloud resources which includes launching, maintaining and troubleshooting EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Elastic Load Balancers (ELB) and Relational Database Services (RDS).
* Well versed in OLTP Data Modeling, Data warehousing concepts.
* Experience in running web-scale services on Amazon Web Services. Experience in Managing HTTP Watch, Fiddler. Experience in using bug tracking systems like JIRA, Remedy, and HP Quality Center.
* Experience in monitoring tools like Nagios, Splunk and Syslog.
* Implemented Terraform modules for deployment of various applications across multiple cloud providers and managing infrastructure.
* Implemented monitoring with Grafana visualisation infrastructure in Kubernetes cluster
* Created images in docker and deployed applications in docker container
* Perform real-time system monitoring, traffic tracking and trend analysis using Network Management Tools (e.g., Splunk, SiteScope, Insight Manager, Open View, SolarWinds), analysis systems, and Cisco IOS commands.
* Monitoring of Infrastructure using Kibana, Cloud watch and Grafana. Expertise in Java and Web driver and Grid for implementing regression automation using Selenium.

**TECHNICAL SKILLS:**

**Platforms:** Windows, UNIX, and Linux

**Web Technologies:** HTML, Java Script, XML, JSON

**Scripting Languages:** BASH, Python, Shell, Java, SQL, Groovy

**Tracking Tools:** JIRA, Remedy, HP Quality tracking

**Build and Release:** Ant, Maven, Gradle

**Monitoring Tools:** Nagios, Splunk

**Web/App servers:** Apache Tomcat, JBOSS, WAMP, LAMP, Web sphere, Web logic.

**CI & CM Tools:** Jenkins, Ansible, Chef, Puppet, Terraform.

**Containers Tools:** Docker, Docker swarm, Kubernetes.

**Cloud Technologies:** AWS

**Version Control:** GIT, SVN, ClearCase, Bit Bucket

**EDUCATION:**

MBA- leadership

Aurora University –Illinois --2018

Bachelor’s in computer application

University for Madras –India.-2003

**CERTIFICATIONS:**

Certified *Information security Manager (CISM)*

Certified *Microsoft Azure Security Technologies*

Certified *Microsoft Azure Architect Design*

Certified *Azure Solutions Architect Expert*

Certified Hadoop, *Cloudera Certified Administrator for Apache Hadoop* Certified Amazon web services – *AWS Certified Solutions Architect –Associate Level.* Certified *ITIL @Foundation Certificate in ITSM* Certified ITIL Intermediate IT service Strategy   
 Certified Professional in Project Management (PPM)

**PROFESSIONAL EXPERIENCE:**

**Client: Aerojet, CA Mar 2022 – Till date**

**Roles: Sr. DevOps Architect**

**Responsibilities:**

* Designed and deployed Kubernetes clusters on Azure using AKS and Terraform to support multiple applications and services.
* Integrated CI/CD pipelines with Kubernetes using tools like Jenkins and GitLab, reducing deployment time.
* Configured network policies and security controls to ensure compliance with industry standards and best practices.
* Participated in code review and recommend solutions to enhance ETL programs to project team and management.
* Improved resource utilization by implementing auto-scaling based on metrics like CPU and memory usage, resulting in significant cost savings.
* Collaborated with cross-functional teams to troubleshoot and resolve issues related to containerization and Kubernetes.
* Designed, built, and maintained AZURE infrastructure using Terraform and other IaC tools
* Developed modular Terraform code to enable consistent infrastructure deployment across environments
* Improved deployment times by optimizing Terraform code and implementing Terraform state management strategies
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), Firewalls, VMs and subnets.
* Maintained warehouse metadata, naming standards and warehouse standards for future application development.
* Configured Azure Virtual Networks (VNets), subnets, Azure network settings, CDIR address blocks, DNS settings, security policies, Vnet Peering.
* Experience into Azure monitoring to enable Log Analytics workspace for monitoring AKS cluster.
* Design of Cloud architectures for customers looking to migrate or develop new PaaS, or hybrid solutions utilizing Microsoft Azure (AKS).
* Experience into Micro Services deployment and setup.
* Configuring the Application Gateway and Triggered the Backup policies.
* Configured the different types of Load Balancers, VMSS and Availability sets.
* Automated few ARM resource creations using ARM templates.
* Configured PaaS services like App service, Azure CDN.
* Hands on experience in Replication services LRS, GRS and ZRS.
* Exposure to SDLC Activities like Agile methodology.
* Migration of on-premises VMs to Azure.
* Enabling and configuring the Backup policy on Virtual Machines

**Client: Walgreens, IL**

**Roles: Lead Azure DevOps Architect Nov 2021 – Mar 2022**

**Responsibilities:**

* Architecting Azure Infrastructure as a Service (IaaS), Platform as a Service (PaaS) Implementation
* Azure Kubernetes Services (AKS) design, configuration, implementation and management Azure Compute Services design
* configuration and optimization: Virtual Machines, Virtual Machine Scale Sets, App Service (Web App, Mobile App, Logic App, API App), App Service Environment (ASE), Azure Functions, Batch, Service Fabric and cloud services, Architecting.
* Design and implementation of Azure Networking Services: Virtual Network, Load Balancers, Application Gateway, VPN Gateway, Azure DNS, Traffic Manager, Express Route. Architecting, designing and securing elastic storage in Azure: Blob, queue, File, Disk, Azure Backup, Azure Site Recovery (ASR)
* Securing Azure Resources and implementing Security in Azure: Security Center, Key Vault, Azure Active Directory, Azure Active Directory B2C, Multi factor Authentication
* Azure container services, professional in Docker, Kubernetes.
* Azure Monitoring and Management solutions: Azure Analytics, Application Insights, Automation, Backup, Site Recovery, Azure Monitor, Automation and Control
* Operation Management Suite (OMS) Log Analytics
* Configuring Azure AD, Configuring ADConnect, MFA, SSO, Identity protection, consolidation of Ads, ADFS.
* Informatica Power Center is used to extract the base tables in the data warehouse and the source databases include Oracle, Flat files and SQL Server.
* Performed Code review to ensure that ETL development was done according to the company’s ETL standard and that ETL best practices were followed.
* VSTS, DSC, chef, Puppet
* Create DevOps pipeline dev/test/QA/ production in Azure DevOps and Jenkins
* Implement Infrastructure as a code
* Enabling DevOps Practices with various DevOps tools
* Using Various DevOps tools: ARM templates, JSON, Powershell, Azure CLI, Chef, Ansible, terraform
* Building CI / CD pipelines based on various DevOps tools

**Client: AbbVie,** **Waukegan, IL**  **April 2021- Nov 2021**

**Role: Lead DevOps Architect**

**Responsibilities:**

* Hands-on experience Designing, planning and implementation for existing on-premises applications to AWS Cloud, Configured and deployed AWS Automation Scripts utilizing AWS stack Services and Utilities focusing on Automation.
* Configured **VNETs and subnets** as per the project requirement. Configure **Azure blob storage** and Azure file servers. Configured private and public facing **Azure load balancers** etc
* 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. Improved the performance of SQL Scripts by using Object Role Modelling methodology.
* Involved in ETL team meetings to discuss about Project status and ETL latest techniques.
* Implement and Enhanced Scripts which are developed in **Shell,** **Perl,** **Ruby** and **Python**
* Experience building REST based APIs, preferably with Node.js
* Working Knowledge of **Node.js** and frameworks available such as Express, Strong Loop etc.
* 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
* 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.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.
* Implemented Guard Duty service in order to tackle the security issues and connected to slack to notify our security team for monitoring
* Implemented Guardrails using the AWS lambda to manage the compliance and cost management of the resources
* Implemented cloud watch in connection with Guard Duty rules to identify the security severity levels that ranging from 2 to 8.9
* Developed Security module implemented **IT Security Features** using **ASP.Net** Login Controls, Personalization, Membership, authentication, and authorization using **ASP.Net.**
* Used kinesis streams to receive the cloud watch logs from other accounts and store it in s3 buckets
* implemented security Patching on the servers and used data dog for monitoring and pager duty for alerts Implemented Disaster recovery mechanisms in-order to reduce business downtime
* Implemented Fortigate polices in order to restrict the outside users to access our application and database server
* Have hands on experience in deploying **FortiGate** appliances, fort iCloud and fort iCloud to store the logs
* Experience deploying and configuring Firewall Appliances (Barracuda, Palo Alto, Fortinet) to secure Azure Cloud
* Experience is defining cloud security controls for an Azure environment at an Enterprise level for **SecOps.**
* Developing the documentation and plan for transformation and loading the Data Warehouse.

**Environment:** ANT, MAVEN, Subversion (SVN), CHEF, Docker, Vagrant, EC2, Terraform, Ansible, JIRA, LINUX, RHEL, SNS, SQS, Kubernetes, Shell/Perl Scripts, Bitbucket, Python, TFS, SCM, API, GIT, Jenkins, Tomcat, Java, AWS, Visual Studio, Visual Studio Code, GitBash, Python.

**Client: AllState Insurance Company, Northbrook, IL Feb 2013- Jan 2021**

**Role: Sr. DevOps Architect**

**Responsibilities:**

* Designing, deploying and maintaining the application servers on AWS infrastructure, using services like EC2, S3, Glacier, VPC, Lambda, Route53, SQS, IAM, Code Deploy, **CloudFront,** RDS, **and CloudFormation** etc.
* Implemented the various services in AWS like VPC, Auto Scaling, S3, Cloud Watch, EC2. Worked with the different instances of AWS EC2, AWS AMI’s creation, managing the volumes and configuring the security groups.
* Experience in implementing **Nginx as ingress controller on Kubernete**s. Experience and knowledge in orchestrating Kubernetes cluster on **GCP and private cloud as MVP**.
* Experience with **ASP .NET MVC**, creating View Models, Partial Views, applied Dependency Injection using **N Inject/Unity Container**, Action Filters, Validations, Data Annotation, Custom model Binder and Routing, using **Razor**view with **HTML**helpers and **AJAX**helpers.
* Analysis of source systems and work with business analysts to identify study and understand requirements and translate them into ETL code.
* Worked on **Ansible**, used **YML** packages for installing, configuring push to make changes in time.  Involved in DevOps automation processes for build and deployment of a 3tier web architecture.
* Used **Bash** and **Python** included **Boto3** to supplement automation provided by Ansible and Terraform for tasks such as encrypting EBS volumes backing **AMIs** and scheduling **Lambda functions** for routine AWS tasks.
* Experience in dealing with Windows **Azure IaaS** - Virtual Networks, Virtual Machines, Cloud Services, Resource Groups, Express Route, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling.   
  **Automated Docker images** creation using Docker files and deployed the Docker containerized applications in Kubernetes Clusters hosted both on-premises, VMware’s vSphere and in cloud (**AKS-Azure Kubernetes Services**, **ACR- Azure Container Registry**).
* installed and configured **Kubernetes components** and clusters in horizontally,
* cloud manager, node controller, route controller and service controller, kublet agent

configure kublet proxy rules, configure container runtime for docker. container resource monitoring.

* Hands-on implementation of the Azure Operations dealing with IAAS Infrastructure (VMs, Virtual Networking, **Azure Services**, Web Site Deployments) and deploying applications as **PAAS** (Websites, Web Roles and Worker Roles) Implementing New Azure Services like **Backup Vaults,** Recovery Service Vaults, Operation Management Suites, Cost Estimation and Efforts. Working with Microsoft to understand new solutions for Azure **Migrations.**
* Managed service-managed keys, customer-managed keys in Key Vault, **Azure Storage encryptions.**
* Worked with **Terraform**key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation.
* Cloud infrastructure maintenance effort using a combination of Jenkins, Chef and **Terraform** for automating CICD pipeline in AWS.
* Implement and Enhanced Scripts which are developed in **Shell,** **Perl,** **Ruby** and **Python**
* Designed the **data models** to be used in data intensive **AWS Lambda** applications which are aimed to do complex analysis creating analytical reports for end-to-end traceability, lineage, definition of Key Business elements from **Aurora.**
* Worked with the AWS S3 services in creating the buckets and configuring them with the logging, tagging and versioning.
* Used the AWS-CLI to suspend an **AWS Lambda** function. Used **AWS CL**I to automate backups of ephemeral data-stores to **S3 buckets, EBS.**
* Led **POC i**nvolving Confluence **API** call to populate Wiki with log data in **AWS Glue.** Worked on the Cloud Watch to monitor the performance environment instances for operational and performance metrics during the load testing.
* Created the trigger points and alarms in **Cloud Watch** based on thresholds and monitored logs via metric filters.
* Experienced in working with IT infrastructure monitoring tools like **NagiOS**, **CloudWatch**, Zabbix, **Datadog**, AppDynamics and **Splunk**, **Fire eye**,
* Worked on the AWS Auto Scaling launch configuration and creating the groups with reusable instance templates for Automated Provisioning on demand on based on capacity requirements.
* Worked on the AWS IAM service and creating the users & groups defining the policies and roles and Identify providers.
* Used Agile Methodology and actively participated in Scrum meetings, produce quality deliverables within time.
* Used TOAD and MS SQL Server to run SQL queries and validate the data in warehouse and mart.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Configured spring libraries, Hibernate framework with SpringMVC.
* Experience building REST based APIs, preferably with Node.js
* Has experience in installation, administration, patches, upgradation, configuration, performance tuning and troubleshooting various **Linux** and **Windows** based servers like **RedHat Linux** 4/5/6, **Amazon Linux,**CentOS5/6/7, **SunSolaris** 8/9/10.
* Working knowledge of networking technologies including TCP/IP, HTTP/s, SMPP, SSL, SOAP/XML.
* Complete Knowledge about **DHCP, DNS, SNMP** and RAID levels.
* Working experience with **Active Directory** and **LDAP.**

**Environment:** Amazon Web Services, Jenkins, Ansible,Terraform, Kubernetes, Python, Jira, Web logic, UNIX, VMware, Artifactory, Shell, Perl, JSON, Docker, Git, GitHub, Bitbucket, ELK.

**Azure Expertise:** IaaS, PaaS, VM Migrations, VNet, Traffic Manager, Azure Cloud Services, SQL Azure, Active Directory, Data Factory, Data Lake, HDInsights, ExpressRoute, Power Shell, OMS, Security Center, Service bus, blob storages.

**Client: TCS/Supervalu, Boise, Idaho Sep 2012 – Jan 2013 Role: AWS / DevOps Architect**

**Responsibilities:**

* Experienced with event-driven and scheduled AWS Lambda functions to trigger various AWS resources.
* Involved in writing Java API for Amazon Lambda to manage some of the AWS services. Automated the web application testing with Jenkins and Selenium.
* Installing and configuring Jenkins master and slave nodes. Built CI/CD pipeline and managing the infrastructure as code using Ansible. Worked on branching, tagging and maintaining the version control and Build pipe line with TFS and GITHUB.
* Automated the continuous integration and deployments CI/CD using Jenkins, Docker, Ansible and AWS Cloud Templates.
* Implementing and maintaining Ansible Configuration management spanning several environments in **Vrealize** and the AWS cloud. Responsible for managing cloud computing tool AWS and the code in **ALMtool** i.e., GIT (version controlling).
* Developed Ansible playbook in a variety of areas including: Docker base deployment, Docker Swarm configuration, oracle deployment, Linux system provisioning, Jenkins management (deploy seed job from ansible), **vSphere** (VMware guest) management, module development.
* Experience in docker Automation tools and builds and do an overall process improvement to any manual processes.
* Using the docker file containers has run for the MongoDB and linking it with new container which will be the client container to access the data.
* Worked on the docker network for setting up the private network and linking it to the container when it is spin up.
* Mirrored the**Docker** images required for Spinnaker from external registry to private Docker Registry.
* **Kubernetes** dashboard to access the cluster via its web-based user interface and implemented microservices on Kubernetes Cluster.
* Experienced in maintaining containers running on cluster node are managed by OpenShift Kubernetes.
* Maintained Single and Multi-container pods storage inside a node of OpenShift (Kubernetes) cluster.
* Used OpenShift for Docker file to build the image and then upload the created images to the Docker registry.
* Automated the deployment and replication of containers and scale in of the containers in the fly and worked on the docker swarm for the build-in orchestration.
* Configured Operators on Kubernetes applications and all of its components, such as Deployments, Config Maps, Secrets and Services Experience in containerizing and migrating application to Kubernetes.
* Created Jenkins on top of Kubernetes in team environment to remove dependencies on other teams.
* Worked on open-source development tools like Docker Containers, Mesos and Kubernetes. Monitoring, traffic tracking and trend analysis using Network Management Tools Splunk, SiteScope, Insight Manager.
* Used HashiCorp Packer to create and manage the AWS AMI's and Vault to manage AWS secret keys.
* Implemented the effective Data sizing of the ELK Cluster based on the data flow and use cases.

**Environment:** Amazon Web Services, Jenkins, Ansible, Kubernetes, Python, Jira, Web logic, UNIX, VMware, Artifactory, Shell, Perl, JSON, Docker, Git, GitHub, Bitbucket, ELK.

**Client: ETS, Princeton, New Jersey Sep 2011 – June 2012**

**Role: Cloud Automation Engineer**

**Responsibilities:**

* Drive end to end deployment of various Components on the AWS Platform. Create and assign an initiative definition to track compliance for multiple resources and Resolve a non-compliant or denied resource.
* Managing Windows 2012 servers, troubleshooting IP issues and working with different support teams
* Utilized ARM template building SQL Server with High-Availability for an application backend Infrastructure and Virtual Machine Scale sets for front end along with Multiple Servers Such as reporting, Scripting and Scheduling Servers
* Script, debug and automate PowerShell scripts to reduce manual administration tasks and cloud deployments
* Deployed AWS IaaS virtual machines (VMs) and Cloud services) into secure subnets.
* Experience in AKKA HTTP for building integration layers based on HTTP and for Low-Level HTTP server API’s
* Automating the Microsoft .NET software build, packaging, and deployment processes using TFS and VSTS.
* Write Docker file to build/push new images to the repository and pull those to run as containers.
* Built Docker container Scaling functionality utilizing custom scripts to analyse metrices and trigger scaling operations.
* Experience working on several Docker components like Docker Engine, Docker Hub, Machine, Compose and Registry
* Worked with Docker and vagrant for different infrastructure setup and testing of code. Helping team migrate repositories from different source control systems to TFVC and GIT repositories in VSTS (AWS DevOps)
* Experience with both Puppet and Chef Configuration Management Tools. Installing and Architecting Pivotal Cloud Foundry (PCF) on Various LAAS, leveraging the power of BOSH.
* Working on cloud platforms i.e., PCF, AWS, Digital Ocean, IBM Soft layer and Google Cloud Platform
* Created and tracked tasks in pivotal tracker (PCF). Used Chef in Installation of various other basic software.
* VSTS environment setup, configuration, customization of VSTS Work items, and Customization on VSTS process template. VSTS branching and merging process - Process Streamline.
* Created continuous integration system using SVN, Ant, Jenkins, chef, Puppet full automation.
* Configured Continuous Integration environment, using Jenkins to kickoff daily builds and automation suites Jenkins, Maven and GitHub.
* Experience in configure, automate deployment using Puppet, Chef and Jenkins.
* Used various Splunk Apps such as Splunk on Splunk, Universal Field Extractor, Splunk App for UNIX/Linux, Splunk DB1 Connect.
* Used HashiCorp Consul as a service discovery tool. Experience in building custom searches and visualizations in both Splunk Core and Splunk ITSI
* Provided high availability for IaaS VMs and PaaS role instances for access from other services in the AWS Internal Load Balancer.
* Performed Tracking on monitoring Insight Manager, Open View, SolarWinds. Configured and installed monitoring tools Grafana, Kibana, Logstash and Elastic Search on the servers.
* Monitoring of ELK Stack Clusters using X-Pack.

**Environments:** AWS, Windows server 2012/R2/2013, SQL server, VSTS, Windows PowerShell, Docker, Ruby, Bash, Chef, Jenkins, Maven, Puppet, Bash, NT command shell, ANT, Gradle, GitHub.

**Client: PayPal, San Jose, CA Jan 2010-Aug 2011**

**Role: DevOps Architect**

**Responsibilities:**

* Performed the daily system administration tasks like managing system resources and end users support operations and security.
* Implemented cloud services AWS and Implemented Bash, Perl, Python scripting. Worked on GIT (Git Hub) repositories as Distributed Version Control System.
* Installed and configured GIT to implement branching strategy which is suitable for agile development also provided continuous support and maintenance of software builds.
* Responsible for taking the source code and compiling using Maven and package it in its distributable format, such as a WAR file.
* Worked on integrating Git into the continuous Integration (CI) environment along with Jenkins Configured the services using modern DevOps tools.
* Refined automation components with scripting and configuration management using Ansible.
* Wrote Ansible playbooks from scratch in YAML. Installing, setting up & Troubleshooting Ansible, created and automated platform environment setup.
* Automated various infrastructure activities like Continuous Deployment, application server setup, stack monitoring using Ansible playbooks. Automated the deployment process by writing Shell (bash), Python scripts in Jenkins.
* Provide support to Account Managers, UNIX and Windows technicians, and other departments. Installed packages using YUM and Red Hat Package Manager (RPM) on various servers.
* Used Apache Tomcat for deploying the Java Web Applications. Experience in Designing, Installing and Implementing Ansible configuration management system and in writing playbooks for Ansible and deploying applications
* Configured and administered Jenkins pipelines for automated builds and responsible for installing Jenkins master and slave nodes. Worked exclusively on VMware (Ubuntu 16.04) virtual environment.
* Worked closely with DBA Teams to adjust kernel parameters as per requirements. Designed and created multiple deployment strategies using CI/CD Pipelines using Jenkins. Installed multiple plugins to Jenkins, Configured Proxy to get auto updates
* Configured SSH, SMTP, Build Tools, and Source Control repositories in Jenkins. Coordinated with various cross functional teams across IT operations to make sure smooth functioning of projects.

**Environment:** Red hat Enterprise Linux (RHEL) 7/6., Java, Eclipse, Toad, Git, Tomcat, Apache, Ansible, Jenkins, Python, Ruby Chef, JIRA, Maven, Artifactory, Udeploy, Ubuntu, CentOS, AWS Cloud Formation Templates, AWS RDS, AWS Cloud Watch, Chef-solo/server.