**Durgaprasad | Sr. Cloud AWS Devops Engineer**

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**PROFESSIONAL SUMMARY:**

* Over 9+ years of experience IT industry, Good experience in Cloud GCP/ AWS/Azure/DevOps Engineer, experienced in Site Reliability Engineer and Build/Release Continuous Integration, Continuous Deployment, Configuration Management on each packaging Quality Control.
* Very good understanding of DevOps concepts and a critical thinker of its different application areas.
* Good experience in Software Product Development, Process Automation, Build and Deployment Automation, Release Management,
* Packaging Quality Control, Source Code repository &amp; Environment management.
* In-depth understanding of the principles and best practices of Software Configuration Management (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Develop, enhance and maintain the build, deployment and configurations for continuous integration and automate regression and acceptance testing.
* Managed complex projects by providing architectural and design solutions with industry best practices to customers.
* Designed, configured, and deployed Microsoft Azure automation scripts for a multitude of applications utilizing the Azure stack (Including
* Compute, Web &amp; Mobile, Blobs, ADF, Resource Groups, Azure Data Lake, HD Insight Clusters, Azure SQL, Cloud Services, and ARM on automation), focusing on Networking, high-availability, fault tolerance, and auto-scaling. Created quality gates in SonarQube dashboard and enforced in the pipelines to fail the builds when conditions not met.
* Hands on experience with Provisioning Service Fabric Clusters and Application Gateway using ARM, PowerShell or Azure Portal which is a distributed systems platform to deploy and manage Micro services with high availability.
* Lead automation of Azure deployments utilizing Power Shell, Architected automation of Azure Virtual Networks, Network Security Groups and access control rules. Leveraged “Azure Automation” and PowerShell, Chef, and Puppet to automate process in the Azure Cloud.
* Creating and Managing Virtual Machines in Windows Azure and setting up communication with the help of Endpoints. Configured Shared Access Signature (SAS) tokens and Storage Access Policies in Azure Cloud Infrastructure.
* Expertise in deploying and configuring using AZURE AD Connect. Experience in Azure Network Security Groups, Azure Operational Insight and OMS, AZURE Premium Storage, Site Recovery, Network Virtual Appliance, Client-Side encryption for Azure storage objects.
* Experienced in Azure Role-based Access Control (RBAC) to segregate duties within our team and grant only the amount of access to users that they need to perform their jobs.
* Hands on experience in GCP services like EC2, S3, ELB, RDS, SQS, EBS, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail,
* Cloud Formation GCP Config, Auto scaling, Cloud Front, IAM, R53.
* Experience with Microsoft Azure which includes creating PaaS builds, PaaS deployments, Storage Accounts, Queues, CDN, ARM templates, and Azure Service Bus.
* Experienced in migrating on-premises DevOps platform to Azure CI/CD processes by utilizing ARM templates, and Azure DevOps App services such as Repos, Test Plans, Pipelines, Web Apps, and Application Insights.
* Expertise in deploying microservices, application development, and upgradation using AWS/Azure services such as Azure Kubernetes Service (AKS), Container Registry, Cosmos DB, and Grafana, Azure pipelines, Monitor, AWS Kubernetes EKS, and Kubernetes API to run workloads on EKS Clusters.
* Hands-on experience on implementing Cloud Solutions using various AWS Services including EC2, VPC, S3, Glacier, EFS, AWS Kinesis, Lambda,
* Directory Services, Cloud Formation, Ops works, Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift.
* Experienced in setting up Amazon EC2 instances, Virtual Private Cloud (VPCs), security groups, Data Pipeline, and Lambda. Setting up databases in AWS using RDS, storage using S3 bucket, and configuring instance backups to S3 bucket.
* Knowledge of AWS Elastic Beanstalk for app deployments and worked on AWS Lambda with Amazon Kinesis. Developed, deployed, and managed event-driven and scheduled AWS Lambda functions.
* Managing security groups (SG’s) on AWS, focusing on high availability, fault tolerance, and autoscaling using Terraform templates. Along with CI/CD with AWS Lambda &amp; AWS Code Pipeline.
* Worked on deploying and managing Azure Kubernetes services in which deployed microservices using Azure container registry and Azure Kubernetes services by giving authentication deployed microservices into cluster for scaling and management on Azure cloud services and worked on Azure Web role.
* Implemented troubleshooting Kubernetes pod logs, Kube2IAM logs, debugging pod restart, and Crash Loop Back off debug, as well as resolving all of them in production.
* Writing policies using Terraform Sentinel (Policy as a Code), defining them using the policy language, and managing policies for organizations by adding policies by setting VCS Integration or uploading policy sets over the API.
* Worked on Terraform to manage multiple Infrastructure platforms for quick automation and provisioning and to store and set up host configuration, load balancers, Datadog monitors all as code that can be checked into version control.
* Experienced in using Terragrunt to define Terraform code to promote a versioned, immutable “artifact” of that exact same code from environment to environment and Utilized Terraform Sentinel to enforce policy checks during runs and created Mock data for any run inside a

workspace.

* Expertise with Terraform key features such as IaC, Execution plans, Resource Graphs, Change Automation and extensively used Auto-scaling launch configuration templates for launching Amazon EC2 instances while deploying microservices.
* Added security layer on top of DevOps methodology and implemented security/vulnerability scans at every phase of DevOps life cycle starting from design to monitoring like FOSS, Fortify and DAST to create DevSecOps operational model.
* Experience in Utilizing Kubernetes to provide a platform for automating the deployments, scaling, and operation of application containers across a cluster of hosts. Worked closely with development teams and test engineers for EC2 size optimization and Docker build Containers.
* Expert in managing Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, templatize Kubernetes manifests, and provide a set of configuration parameters to customize the deployment.
* Experience in developing and deploying Java applications using Maven and Spring. Monitoring, maintaining, and upgrading Java application servers and MySQL databases along with configuring replication.
* Extensively worked on Hudson, Jenkins, Team City, and Bamboo for Continuous Integration and strong experience with integration of Ant and Maven Build Frameworks.
* For check in process used Tortoise SVN as a migration tool. Involved in migration of Bamboo server, Art factory, Perforce &amp; GIT server.
* Expertise in configuring the monitoring and alerting tools according to the requirements like Prometheus, Grafana, Jira, ELK, Cloud watch, Nagios, and Splunk setting up alerts and deployed multiple dashboards for individual applications in Kubernetes.
* Expert in using Ansible for Installing packages, Managing Web applications, Configuration Files, Users, Mount points and deployed microservices. Wrote Ansible playbooks with Python SSH as the wrapper to manage configurations of AWS Nodes and Test playbooks on AWS instances using Python.
* 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.
* Experience in migrating on-premises applications to Azure and configured VNETs and subnets as per the project requirement also performed PowerShell scripting to do Patching, Imaging, and Deployments in Azure.
* Experience in shell scripts, Ruby, Python, and PowerShell for automating administration tasks and scheduling jobs.

**TECHNICAL SKILLS:**

**Cloud Environments:** AWS, Azure, Google Cloud (GCP), Confluent Cloud, Kafka

**Operating Systems :**  Red Hat Linux, CentOS 6 &amp; 7, Ubuntu12.x, 13.x, 14.x, Windows 98, Vista,

 Windows Server 2003, 2008, 2012, VMware ESX and Mac OS.

**Web/ Applic Servers:** Apache Tomcat, Web Logic, JBoss 5.x/6.x/7.x, Web Sphere Administration, IIS and Nginix.

**Databases:** MySQL, MySQL, Oracle, MySQL, Mongo DB, PostgreSQL, RDS, Elastic ache, Azure Data lake, Data factory.

**Version Control Tools :** Git, Git Hub, Git Lab, Bit bucket, CVS, SVN.

**Log Management Tools** : Elastic Search, Kibana, Grafana, Logstash.

**Configuration Management :** Chef, Puppet, Vagrant, Maven, Ansible.

**CICD Tools** : Cloud Bees Jenkins/Hudson, Team City, Maven, SonarQube, Nexus Artifactory.

**Container Tools :** Docker, Kubernetes, Amazon ECS, Helm, Minikube

**Monitoring Tools :** Dynatrace, Grafana, Nagios, Splunk, AWS cloud watch, ELK, Azure Monitor

**Scripting Languages:** Ruby, Python, Golang, groovy, Unix Shell scripting, Node JS, XML, HTML, JAVA, JEE, JavaScript, Angular JS, Power Shell, JSON, YAML, AWS Lambda.

**Bug Tracking &amp; Testing tools:** JIRA, J Unit, J Meter Test Flight, Test Rail, Selenium.

**Networking:** TCP/IP, NFS, DNS, VPN, DHCP, WAN, HTTP, LAN, FTP/TFTP, VMware nexus switch, IP Networking, F5 load balancer.

**Work Experience:**

**Sr .AWS DevOps Engineer Duration: Aug 2022 to Present**

**Client: UBS, New Jersey**

**Responsibilities:**

* Experienced in designing and implementing infrastructure automation using AWS Cloud Formation, Ansible, and Terraform, reducing response time, creating more reliable consistent provisioning and configuration of infrastructure resources.
* Ability to design and deploy numerous applications that made use of practically every component of the AWS stack, including EC2,Route53, S3, RDS, Dynamo DB, SNS, SQS, LAMBDA, and REDSHIFT, with a focus on high availability, fault tolerance, and auto- scaling in AWS cloud formation.
* Supported AWS Cloud environment with 200+ AWS instances and configured IP &amp; Storage and experience implementing and maintaining security groups and Network ACLs.
* Created Python and BASH scripts to automate the build process while using Jenkins as the CI tool to design the project&#39;s processes and pipelines.
* For high availability and fault tolerance, created load balancers (ELB) and used Route53 with fail over and latency options.
* Making clone instances and Amazon Machine Images (AMIs) of the instances for backup purposes.
* In charge of applying software configuration management procedures used by the company to projects, building up and maintaining a TFS/GIT/GitHub infrastructure and assisting with continuous delivery by automating software build and package migration procedures.
* Used Google Cloud Pub/Sub as a messaging service for decoupling components of distributed systems. It has facilitated event- driven architectures, allowing me to trigger actions and communicate between GCP services asynchronously.
* Development and implementation of CI/CD pipelines.
* Enabled lambda functions for the dynamic creation of roles while using IAM to generate new accounts, roles, and groups.
* Enhanced login authentication was achieved by configuring users and groups in AWS Identity and Access Management (IAM).
* Created scripts in Jenkins utilizing the ANT and MAVEN build tools to switch between environments.
* Used Nagios Network Analyzer for net Yow collection and analysis of IP transactions.
* Used Nagios Log Server for network device log collecting network device log display.
* Made a Python script that uses Lambda functions to stop all the AWS Instances with a particular tag and added it to Cloud Watch Scheduler to run every night.
* Utilized Azure Functions, Microsoft&#39;s server less compute service, to develop and deploy event-driven, scalable functions that respond to various triggers or events.
* Knowledge of integrating databases with Spring Boot applications using frameworks like Spring Data JPA or Hibernate.
* Used templates and variables in Grafana to create dynamic dashboards that can adapt to different environments or systems, allowing you to reuse and customize dashboards more efficiently.
* Integrated Team City&#39;s CI and CD processes with a TFS instance and Octopus Deploy.
* Worked on synchronizing user stories and tasks to directions via the TFS rally connection.
* Collaborated with the development teams on the new TFS 2013 environment&#39;s performance monitoring of TFS.
* Integration of TFS 2013 and the transfer of SharePoint from WSS 3.0 Writing Ansible playbooks to setup and configure technologies like Jenkins and Artifactory on remote servers utilizing REST API protocol is a task I&#39;m involved in.
* Automation of the deployment and build processes. As part of the post-deployment action, I collaborated with the testing teams to automate test cases and set up Cucumber for testing automation.
* Deployed Spring Boot applications to various environments, including on-premises servers or cloud platforms like AWS, Azure, or Google Cloud.
* Used CLI tools to install and set up KUBERNETES, Chef Server/Workstation, and nodes.
* Wrote Docker files to construct new images based on operational environments for testing reasons before to deployment.
* Developed Chef Cookbooks to provision Apache Webservers, Tomcat servers, Apache Spark, Nginx, and used GZIP to send compressed files to destination node/instances.
* Deployed Prometheus in a highly available and scalable manner using techniques like clustering, sharding, or federation. Handled high traffic and large-scale deployments effectively.
* Installed and set up Splunk to use puppet automation to track EC2 Linux instances. Produced reports and created indexes.
* On a cluster of hosts, the most recent version of Docker Datacenter, along with the Universal Control Plane (UCP) and Docker Trusted Registry (DTR), was installed and set up.
* To accomplish the simultaneous development process, branches were created in GIT.
* In a geographically dispersed environment, coordinated release efforts with numerous teams (Dev, QA, DBA, and Business Analysis).
* Logging implemented using frameworks (e.g., Log4j, SLF4J) and monitoring tools like Spring Boot Actuator, Prometheus, or ELK stack (Elasticsearch, Logstash, Kibana).
* Ordering new certificates, installing, and renewing SSL certificates, bouncing servers with performance issues after removing them from server pools, ID maintenance, User, and Group management for all UNIX serverswere duties completed on the F5 load balancer.
* Implemented Spring Security and authentication along with authorization mechanisms in Spring Boot applications.
* Carried out the implementation of the code quality analysis tool Sonar Qube.
* Developed My SQL Database objects such as schemas, tables, views, stored procedures, clustered and non cluster indexes, constraints, triggers, buffer pools, user roles, and functions.
* As a MySQL DBA, I’ve had success managing the high availability of production systems for businesses and independent organizations.
* Developed a real-time processing platform that stores data in Cassandra using Kafka and Spark streaming.

**Environment:** Java/J2EE, jQuery, Cucumber, Tomcat, Jenkins, Python, PowerShell, Ruby, AWS, EC2, Route53, VPC, AMIs, IAM Azure, Nagios, Tomcat, Maven, Artifactory, Git, Linux, Chef, Kubernetes, MySQL, Sonar Qube, ANT, Docker.

**AWS Cloud Devops Engineer Duration: Nov 2021-Jul 2022**

**Client: Fidelity Investments, TX**

**Responsibilities**:

* Worked in a Governance Cloud Team, being an Aws cloud engineer to support migration plans from on- premise to AWS Cloud also subject matter of expert in AWS.
* Implemented AWS solutions using EC2, S3, RDS, EBS, and Elastic Load Balancer, Auto-scaling groups,
* Optimized volumes and EC2 instances using cloud formation templates. Setting up scalability for application servers using command line interface and administering DNS system in AWS using Route 53 and managing users and groups using the amazon identity and access management (IAM).
* Wrote Lambda functions in python for AWS Lambda and invoked PowerShell scripts for data transformations and analytics on large data sets in EMR clusters and AWS Kinesis data streams.
* Experience in managing IAM policies with active directory integration to manage security in GCP and AWS.
* Integrated IAM solutions with cloud platforms, business applications, and external systems to enable seamless authentication and access management across many environments.
* Experience in creating shared VPC with different tags in a single GCP project and using the same in all spathe projects.
* Managing and supporting the AWS team and setting up the IPsec tunnel between Google Cloud and AWS Networking infrastructure.
* Configuring and deploying instances on GCP environments and Data centers, also familiar with Compute, Kubernetes Engine, Stack driver Monitoring, Elastic Search and managing security groups on both.
* Designed GCP architecture to migrate applications from AWS cloud to GCP cloud to replicate the application and run on GCP cloud by deploying new instances in containers, configuring load balancer’s, setting up GKE for auto-scaling and adapting new application-level configuration.
* Created DNS and Domain configuration to direct the traffic from AWS domain to the appropriate GCP resources and done testing and validation to make the application work seamlessly.
* Migrated data bases from AWS RDS to GCP using different services and established a service connection between AWS and GCP services.
* Designed Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented ETL process to ingest analytical data stored in S3 into a Redshift data Warehouse cluster using AWS Lambda Microservices.
* Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds. Took the sole responsibility to maintain the CI Jenkins server.
* Used Groovy for configuration management tasks, such as managing infrastructure, provisioning resources, and automating deployments. Used Tools like Apache Groovy or Groovy-based frameworks.
* Experienced in authoring pom.xml files, performing releases with the Maven release plugin, and managing artifacts in NEXUS repository.
* Integrated Jenkins, and AWS to automatically provision Dev/QA/Production environment and deploy the applications.
* Used Cloud Bees CI for commercial distribution to include additional features, plugins, and support that are not available in the open-source version of Jenkins, this can leverage Cloud Bees CI to access enterprise-grade capabilities and professional support for their Jenkins environment.
* Managed CloudBees Core for CI/CD platform on top of Jenkins, to provide a scalable, secure, and robust solution for managing and orchestrating CI/CD pipelines, and enhance Jenkins with advanced features like role-based access control (RBAC), high availability, analytics, and enterprise-grade support.
* Used FROG to provide effective monitoring and logging systems, ensuring visibility into the CI/CD

process and promptly resolving any issues.

* Developed metrics and key performance indicators (KPIs) in close collaboration with stakeholders to assess the effectiveness and impact of the FROG implementation.
* Maintained good support for development team from Intermediate to advanced level in ASP.NET MVC and ASP.NET Web API.

**Azure DevOps Developer Duration: Apr 2021- Nov 2021**

**Client : AT&T, WA**

**Responsibilities:**

* Primarily responsible for implementing containerized based applications on Azure Kubernetes by using Azure Kubernetes service (AKS)Kubernetes Cluster, which are responsible for cluster management.
* Working as Kubernetes Administrator, involved in configuration for web apps, Azure App services, Azure Application insights, Azure Application gateway, Azure DNS, Azure traffic manager, App services.
* Implement metrics and log forwarding to Data dog. Create monitors and reports from Datadog metrics. Assign alerts to Pager Duty.
* Created Health reports from AWS Personal Health Dashboard to SNS topics and Pager duty.
* Designed and developed the automated deployment and scaling processes based on Docker and Ansible for all the services.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Installed and configured NGINX for the running services.
* Utilized Kubernetes for the runtime environment of the CI/CD system to build, test, and deploy.
* Worked with Atlassian tools like Jira.
* Worked on the Service now form enhancements for AKS Namespace, AKS RBAC, AKS Key Vault services.
* Installed, configure, test, monitor, upgrade, and tune new and existing PostgreSQL databases.
* Managing Docker orchestration and Docker containerization using Kubernetes.
* Proficient in Python, Shell Scripting, Terraform, SQL.

**Environment:** Azure, Terraform, Jenkins, Kubernetes, PostgreSQL, Docker, Spark Data Frame AP, Azure ,Ansible, Jira, Confluence, PowerShell Windows, IIS, Python, Splunk, Grafana, Prometheus, Twist lock, Istio, Jenkins, git, Ansible.

**GCP/ DevOps Engineer Duration: Sep 2020 – March 2021**

**Client: Vanguard, PA**

**Responsibilities:**

* Working on System and platform integration in a large enterprise Linux-base environment

Installed and configured Linux, SuSe & amp; Red hat 5.x, 6.x, 7.x on Dell Power Edge (710,720 and 730), using Kick start with PXE for LAMP (Linux, Apache, MySQL and Perl/PHP) installations.

* Linux Terminal Server X2Go (Debian) App virtualization with Docker Linux Server administration and distribution (DPKG) automation using Ubuntu, Debian packaging tools.
* Worked with Terraform key fagieatures such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation.
* Configured Azure Virtual Networks, subnets, DHCP address blocks, Azure network settings, DNS settings, security policies and routing. Also, deployed Azure IaaS virtual machines and Cloud services (PaaS role instances) into secure Virtual Networks and subnets.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, SQL Azure, Azure Storage, Azure AD Licenses, Office365. Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Portal.
* Managed and maintained the infrastructure, deployment pipeline, security, and performance of the Databricks platform.
* Completed set up of CD environment with focus on Urban Code Deploy.
* Managed the code changes and version control of Informatica mappings using tools such as Git or SVN.
* Designed and implemented automation deployment using Urban Code and Cruise to promote major releases, monthly releases, and patches from Development -&gt; Int egration/QA -&gt; Staging/UAT -&gt; Production.
* Used Azure Terraform to deploy the infrastructure necessary to create development, test, and production environments for a software development project.
* Build tool, Maven used it on Java projects for the development of build artifacts on the source code.
* Used Chef for configuration management of hosted Instances within GCP. Configuring and Networking of Virtual Private Cloud (VPC).
* Wrote, maintained, reviewed and documented modules, manifests, Git repositories for Puppet Enterprise on RHEL and Windows platforms.
* Worked, managed Ansible Playbooks with Ansible roles, group variables, inventory files, copy and remove files on remote systems using file module.
* Administered and supported GitHub Enterprise version control tool.
* Set-up databases in GCP using RDS, storage using S3 bucket and configuring instance backups to S3 bucket. prototype CI/CD system with GitLab on GKE utilizing kubernetes and Docker for the runtime environment for the CI/CD systems to build and test and deploy.
* Work with orchestration tools like Terraform, Chef and leverage modern tools like Vault, Consul, Kubernetes, Docker, Kafka, etc.
* Hybrid Environment between VMware/Azure/Google Cloud Platform.
* Designed and developed continuous deployment pipeline, integrating Jenkins and Chef across geographically separated hosting zones in Azure.
* Ansible and Packer to build Jenkins master AMI. This includes Groovy to configure plugins configuration files and jobs deployed with DSL plugin, Ruby and Vagrant file to help with testing of that AMI and a Python script and Groovy to help rotate old versions of the AMI.
* Deployed spring boot applications using Docker and Kubernetes.
* Implement best practices and maintain Source Code repository infrastructure (Using GIT).
* Production experience in large environments using configuration management tool Puppet supporting with 500+ servers and involved in developing manifests. components with scripting and configuration management (Ansible).
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Used Selenium Grid to run test cases in multiple browsers and Platforms.
* Building/Maintaining Docker/ Kubernetes container clusters managed by Kubernetes Linux, Bash, GIT, Docker, on GCP
* Worked with Openshift platform in managing Docker containers and Kubernetes Clusters.
* Experience in Configuration and Administration Patch and Packages management.
* Excellent Knowledge in Capacity Planning and Performance tuning.
* Worked with Team leads and Managers to resolve production issues.

**Environment:** Solaris 8/9/10, Cent OS 5.x/6.x, Red Hat Linux 4/5/6, BMC Tools, NAGIOS, Azure, Net Backup, Korn Shell, Java/J2ee, Eclipse, Ansible GKE, GCP, (Google cloud) Maven, Terraform Anthill Pro, Docker, Subversion, SVN, GIT, Python, Ruby, Nexus, Sonar, Jenkins, Tomcat BASH, UNIX

**Role: Site Reliability Engineer Duration: Jul 2019- Aug 2020**

**Client: Hudson's Bay Company, NY**

**Responsibility:**

* Implemented the Docker for wrapping up the final code and setting up development and testing environment using Docker Hub, Docker Swarm and Docker Container Network.
* Written templates for AWS infrastructure as a code using Terraform to build staging and production environments.
* Orchestrated and migrated CI/CD processes using Cloud Formation and Terraform Templates and Dockerized the infrastructure, which was setup in AWS and GCP.
* Deployed MongoDB using Docker image and setting up Mongo DB cluster using MongoDB Atlas.
* Used software like Terraform and Ansible to create and maintain Rancher infrastructure as code, allowing Rancher clusters to be provisioned often and automatically.
* Proposed branching strategies for using Version Control Systems like GITHUB, GITLAB.
* Developed GIT hooks for the local repository, code commit and remote repository, code push

functionality.

* Involved in Setting up Elastic Search, Log stash and Kibana (ELK)Created AWS Multi-Factor
* Authentication (MFA) for instance RDP/SSH logon, worked with teams to lock down security groups.
* Served the ELK stack community with use cases and logstash plugin and Deployed applications using Jenkins server and Troubleshoot build &amp; release job failures, resolve, work with developers on resolution.
* Involved, designed &amp; managed Cherwell dashboards for metrics reporting for various teams, and resolving tickets in Cherwell dashboards in priority fashion.
* Maintained the Red Hat Satellite for infrastructure management to keep Red Hat Enterprise Linux environments and other Red Hat infrastructure running efficiently, properly secured, and compliant with various standards.
* Configured and managed Red Hat Linux kernel, memory upgrades and swap areas, Red Hat Linux Kickstart Installation Sun Solaris Jump Start Installation and configuring DNS, DHCP, NIS, NFS in Sun Solaris 8/9 &amp; other Network Services.

**Environment:** AWS, CHEF, Maven, Docker, Terraform, Red Hat Enterprise Linux 6/7, python, ELK, Jenkins, JIRA, Confluence, GIT, RedShift Data Warehouse, Docker Hub, NEXUS, Solaris 8/9, Load Balancers, IAM.

**Role: DevOps Engineer Duration: May 2018 – Jun 2019**

**Client: Travelport ,Englewood, CO**

**Responsibilities:**

* Maintained and administered GIT source code tool.
* Created Branches, Labels and performed Merges in SVN and GIT.
* Performed all necessary day-to-day GIT support for different projects.
* Worked with SVN to manage source code repositories and performed branching, merging, and tagging depending on requirement.
* Implemented best practices of agile methodology to speed up the delivery process efficiently. Attended daily stand up meetings, bug-scrub meetings, Sprint planning meetings and Weekly release health check-up meetings as best practices of agile environment.
* Worked with Ant/ Maven to Build artifacts and deploy. Experienced on patches installations, upgrades and packages installation on Red Hat.
* Executed various scripts to automate build and release process. Assisted QA team to monitor post deployment activities and encouraged reporting and feedback process.
* Communicated failed builds and error logs to QA and Developers to debug and troubleshoot problem areas.
* Created a Docker container for Jenkins slave. Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Autoscaling, and Cloud formation scripts.
* Writing Cloud Formation scripts to create stacks containing AWS resources like EC2 (Elastic Cloud Compute), ELB, and Route 53 entries etc.
* Used the features EC2, VPC, ELB, cloud formation, Route53, S3, creating AMIs, creating security groups, Subnets.
* Building and pushing images to ECR (Elastic Container Registry).
* Used Ansible to document all infrastructures into version control. Ansible can configure systems, deploy software, and orchestrate more advanced IT tasks such as continuous deployments or zero downtime rolling updates.
* To setup, installation, configuration, Administration and working with IBM ALM tools (RTC, RQM).
* Understating of PLM tools like Siemens (Team center) and OSLC (protocol).
* To Integrate ALM tool IBM RTC with PLM Siemens Team Center.

**Environment:** AWS, Docker, Rancher, Ansible, Jenkins, Tomcat, Ant, Shell Script, Git, SVN, IBM Jazz tool, Windows, Nginx IIS and SMTP.

**Role: Build and Release Engineer Duration: Feb 2016 – Nov 2017**

**Client: L&T infrastructures ltd, India**

**Responsibilities:**

* Monitoring the Sent releases to SID testing, resolved issues before going into the questionnaire and drafted the documents for each release about the issues including the lessons learned.
* Successfully managed concurrent deliverables on time with quality within a fast-paced environment and under deadlines.
* SME for DevOps Toolset, prepared Architecture blueprints, and requirements documentation including base infrastructure details like system configuration, software versions, firewalls, sudo rules, and service accounts.
* Maintained the Red Hat Satellite for infrastructure management to keep Red Hat Enterprise Linux environments and other Red Hat infrastructure running efficiently Gme$m00n, properly secured, and compliant with various standards.
* Configured and managed Red Hat Linux kernel, memory upgrades and swaps area. Red Hat Linux Kick start Installation Sun Solaris Jump start Installation. Configuring DNS, DHCP, NIS, NFS in Sun Solaris 8/9 &amp; other Network Services.

**Environment:** Nexus, Jenkins, Puppet, Maven, Ant, GIT, Subversion, Splunk, Unix, Linux, LDAP, Active Directory, Java/J2EE, Web Logic, Agile, Nagios, shell, python, DHCP, TCP/IP.

**Role: System Administrator Duration: May 2013 – Jan 2016**

**ICICI Bank Ltd, Hyderabad, TG**

**Responsibilities:**

* Responsible for troubleshooting complex network system and application problems and applying. Appropriate solutions in a diverse network operating system.
* Generated reports for use by senior management and cross-functional teams.
* Maintained Production, QA and Development environments, as well as deployed new code to these environments.
* Configuring and troubleshooting a variety of applications including the LAMP stack (Linux, Apache, and MySQL), J2EE applications (Tomcat, Jboss), Kernel, and FTP applications.
* Maintaining a highly available environment (24x7x365); managing application upgrades including scheduling, coordinating, communicating and maintaining high availability and data integrity throughout the process.
* Streamlining systems management and deployment process tools by implementing automation where necessary.
* Creating and maintaining documentation on processes and procedures.
* Maintaining and ensuring backups and disaster recovery procedures are maintained and tested regularly.
* Proactively monitoring systems and network utilization to make recommendations for future capacity and scalability.
* Provided hands-on technical support related to the overall health and maintenance of Linux operating environment in support of 24x7x365 operations.
* Plan and contribute to the deployment of Linux solutions in production and testing environments.

**Environment:** Automation Testing, Linux and Unix, Tomcat, Jboss, FTP, Lamp Stack, Apache, MySQL.