**Archana**

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**Cloud AWS DevOps Engineer||Sr. DevOps/AWS Engineer.**

**Linux / VMware Administrator ● Build & Release Engineer● Linux Administration**

**PROFFESIONAL SUMMARY:**

* 8+years of IT experience as DevOps Engineer, Cloud Engineer, AWS Developer, Azure Developer Administrator, and Linux System Administrator working on server-based operating system; kernel configurations on Red hat Linux, Centos7, SUSE, Debian 7, Ubuntu 12.x/14.x/16.x, kernel Parameter & Tuning, Trouble Shooting System & Performance Issues. Extensive experience includes SCM, DevOps Build/Release Management, AWS, Change/Incident Management and Cloud Management.
* Experience in Infrastructure Development and Operations, involved in designing and deploying utilizing almost all the AWS stack like EC2, EBS, S3, VPC, RDS, SES, ELB, Auto scaling, CloudFront, Cloud Formation, ElacticCache, Cloud Watch, SNS, Route 53.
* Experience in branching, tagging and maintaining version across the environment using SCM tools like Subversion, GIT.
* Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the access control strategies.
* Extensively worked on Hudson/Jenkins and Bamboo for continuous integration (CI) and for End to End automation for all build and deployments.
* Hands on experience in installing and administrating CI tools like Hudson/Jenkins, Subversion, Bamboo and Nexus/Artifactory.
* Expertise in scripting for automation, and monitoring using Shell, Python & Perl scripts.
* Production experience in large environments using configuration management tools Chef, Puppet and Ansible.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python.
* Used Ansible as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Installed and configured an automated tool Puppet that included the installation and configuration of the Puppet master, agent nodes and an admin control workstation.
* Experience in Setting up Chef Workstation, boot strapping various enterprise nodes, chef repo and setting up keys.
* Experience in Working on Chef with Knife commands to manage Nodes, Cookbooks, Chef Recipes, Chef attributes, Chef Templates.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
* AWS Cloud platform and its features which includes EC2, VPC, EBS, AMI, SNS, RDS, EBS, Cloud Watch, Cloud Trail, Cloud Formation AWS Config, Autos calling, Cloud Front, IAM, S3, Route 53.
* Create multiple groups and set permission polices for various groups in AWS.
* Deployed and Monitored Scalable Infrastructure on AWS using Configuration Management Ansible.
* Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Designed Network Security Groups (NSGs) to control inbound and outbound access to network interfaces (NICs), VMs and subnets.
* Experience with container based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and Kubernetes.
* Experience in Virtualization technologies like VMWare, Vagrant and worked with containerizing applications like Docker, Kubernetes.
* Experience with deployments, maintenance, and troubleshooting applications on Azure.
* Expertise in DevOps, Release Engineering, Configuration Management, Cloud Infrastructure Automation, it includes Amazon Web Services (AWS), Ant, Maven, Jenkins, Chef, SVN, and GitHub.
* Virtualized the servers using the Docker for the test environments and dev-environments using Docker containers.
* Created AWS cloud formation templates to create custom-sized VPC, subnets, EC2 instances, ELB, security groups. Worked on tagging standard for proper identification and ownership of EC2 instances and other AWS Services like Cloud Front, cloud watch, RDS, S3, Route53, SNS, SQS, Cloud Trail.
* Experience in working with EC2 Container Service plugin in JENKINS which automates the Jenkins master-slave configuration by creating temporary slaves.
* Extensively used Ruby scripting on Chef Automation for creating cookbooks comprising all resources, Databags, templates, attributes.
* Created and Maintained Chef Recipes and cookbooks to simplify and expedite deployment of applications and mitigate user error.
* Worked on infrastructure with Docker containerization. Collaborated with development support teams to setup a continuous delivery environment with the use of Docker.
* Experienced in Cloud automation using AWS Cloud Formation templates, Python, Ruby, Chef (DevOps), Puppet (DevOps), Vagrant.
* Designed highly accessible, fault tolerant and cost-effective systems using multiple EC2 instances, Auto scaling, Elastic Load Balance and AMIs.
* Focusing on high-availability, fault tolerance and auto-scaling in cloud formation. Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
* Configuring and Networking of Virtual Private Cloud (VPC) Written Cloud formation templates and deployed AWS resources using it.
* Experience to manage IAM users by creating new users, giving them a limited access as per needs, assign roles and policies to specific user.
* Worked on creating Cloud Formation templates for dev, test, staging and production.
* Designed and built automated infrastructure using open source tools like Dockers, Jenkins.
* Knowledge and experience in creating Jenkins Pipeline.
* Involved in Linux administration activities like troubleshooting of regular issues, configuration issues, applying patches, kernel upgrades, package management, diagnosing resource utilization and file system issues.
* Experience in branching, tagging and maintaining the version control and source code management tools like GIT, SVN (subversion) on Linux and windows platforms.
* Strong problem solving, communication &presentation skills. In one sentence “A very good team player.”

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | RHEL/CentOS, Ubuntu/Debian/Fedora, Windows XP 2000/2003/2008, |
| **Languages** | C, C++, Python, Ruby, Java/J2EE, |
| **CI Tools** | JENKINS, HUDSON, Bamboo, Anthill Pro, Nexus |
| **CM Tools** | CHEF, Puppet, Ansible |
| **Databases** | MySQL, MongoDB, SQL Server |
| **Scripts** | Shell Script, ANT Script, Batch Script, Perl Script, Power Shell Script, Groovy. |
| **Version Control Tools** | GIT, SVN, Bitbucket, GitHub |
| **Web Technologies** | Servlets, JDBC, JSP, HTML, Java Script, XML. |
| **Web/App servers** | Web logic, Web Sphere, Apache Tomcat, JBOSS. |
| **RDBMS** | Oracle, SQL SERVER, MYSQL. |
| **Web/App Server** | Apache, IIS, HIS, Tomcat, WebSphere Application Server, JBoss |
| **Build Tools** | ANT, MAVEN, Gradle, MSbuild. |

**PROFESSIONAL EXPERIENCE:**

**Client: Humana, Charlotte, NC Dec 2019- Till Date**

**Role: Cloud AWS DevOps Engineer**

**Responsibilities:**

* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS.
* Experienced in provisioning, configuring and troubleshooting of various AWS cloud services, EC2, S3, RDS, ELB, EBS, VPC, Route53, Auto scaling groups, Cloud watch, Cloud Front, IAM.
* Experience in designing and deploying AWS Solutions using EC2, S3, EBS, ELB, Auto Scaling groups. Cloud as a code with Ansible. Worked on AWS Cloud Formation Templates.
* Managed IAM accounts (with MFA) and IAM policies to meet security audit & compliance requirements.
* Proficient in writing Cloud Formation Templates (CFT) in YAML and JSON format to build the AWS with the paradigm of Infrastructure as a Code.
* Build Customized Amazon Machine Images (AMIs) & deployed these customized images based on requirements.
* Automate server configuration management & deployment process using Ansible.
* We had used Ansible-Galaxy for Templates and modified as per our requirement. Installed and Implemented Ansible configuration management system. Used Ansible to manage Web applications, Environments configuration Files, Users, Mount points and Packages.
* Experience in AWS Elastic Block Storage (EBS), various volume types and utilization of different types of EBS volumes based on requirement.
* Provided security and managed user access and quota using AWS Identity and Access Management (IAM), including creating new Policies for user management.
* Utilize Configuration Management Tool Ansible & created Ansible Cookbooks using recipes to automate system operations.
* Convert production support scripts to Ansible Recipes and AWS server provisioning using Ansible Recipes.
* Experienced with installation of AWS CLI to control various AWS services through SHELL/BASH scripting.
* Experience in various IAAS/PAAS design groups & working toward architecting and implementing the product.
* Used MySQL, DynamoDB and ElastiCache to perform basic database administration build.
* Created and maintained cloud application, migrated on premises application servers to AWS.
* Worked on AWS Elastic Beanstalk for fast deploying of various applications developed with Java, PHP, Node.js, Python, Ruby and Docker on familiar servers such as Apache and IIS.
* Created Cloud Formation template stacks to automate for building new VPCs using JSON files.
* Created build pipeline, continuous integration and test automation framework utilizing such tools as Terraform, Git, API Gateway, and Jenkins.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, configMaps and deployments
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Participated in configuring and monitoring distributed and multiple platform servers using Puppet. Used Puppet server and workstation to manage and configure nodes.
* Managed AWS EC2 virtual instances using Puppet.
* Building, testing, packaging, dockerizing and socializing across the team.
* Worked on container based technologies like Docker and Kubernetes.
* Kubernetes is being used to orchestrate the deployment, scaling and management of Docker Containers.
* Building/Maintaining Docker container clusters managed by Kubernetes Linux, Bash, GIT, Docker. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
* Experience working on Docker hub, creating Docker images and handling multiple images primarily for middleware installations and domain configuration.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, S3 to ensure successful deployment of Web applications and database templates.
* Launching and configuring of Amazon EC2 (AWS) Cloud Servers using AMI’s (Linux) and configuring the servers for specified applications.
* Used RESTful interfaces pull together data from disparate sources to present unified information to humans as well as other business systems.
* Implemented rapid-provisioning and life-cycle management for Ubuntu Linux using Amazon EC2, Chef, and custom Ruby/Bash scripts.
* PowerShell scripting experience on creating automation process for Branching, build creation and deployments.
* Virtualization using KVM, Xen, VMWare ESX/ESXi, vSphere, Oracle Virtual Box, Virt-manager.
* Designed and developed automated deployment and scaling processes based on Vagrant and Chef for a wide range of server types and application tiers, including Elasticsearch, and Zend PHP and IIS Clusters.
* Designed, developed, implemented, and maintained custom Jenkins tasks in Java and Groovy.
* Set up CI (Continuous Integration) for major releases in Jenkins and docker to automate most of the build related tasks.
* Experience with KVM and AWS
* Hands-on admin collaborating in continuous integration and deployment (Jira, Bamboo, Glassfish)
* Involved in maintaining and power shell scripts for application deployment automation.
* Carried Builds & Deployments on various environments using Build Forge Automation tool.
* Managed the Maven Repository using Nexus tool and used the same to share the snapshots and releases of internal projects.
* Installation, configuration and maintenance of Chef and Puppet to manage the configurations, apply patches.
* Implemented Continuous Integration web hooks and workflows around Jenkins to automate the dev test deploy workflow around Puppet codebase.
* Implemented the use of Nagios tool for monitoring and analyzing the network loads on the individual machines by enforcing custom Nagios monitoring, notifications and dashboard to exhibit various metrics using Shell Scripting and add-ons.
* Maintained build related scripts developed in ANT, Python and Shell. Modified build configuration files including Ant's build.xml.
* Developed auto container to automate containerization of new and existing applications as well as deployment and management of complex run time environment like Kubernetes.
* Deployed the applications to Tomcat Application Server and static content to apache web servers.
* Worked under Agile Methodology to reach organization goals, acted as scrum master.

**Environment**: AWS, EC2, S3, IAM, Cloud Formation, kubernetes, Cloud watch, SNS, Jenkins, Maven, GIT, Ansible, Chef, Nexus, Docker, Apache Webserver, Linux, KVM, Windows, Solaris, Tomcat, Apache, Restful, Java, Python, Shell, Agile, SQL server.

**Client: Office Depot, FL Jan 2017- Nov 2019**

**Role: DevOps Engineer**

**Responsibilities:**

* Installed application on AWS EC2 instances and configured the storage on S3 buckets.
* Implementing a Continuous Integration and Continuous Deployment framework using Jenkins, and Maven in Linux environment.
* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu/RHEL) and Configuring launched instances with respect to specific applications.
* Performed S3 buckets creation, policies on the IAM role based polices and customizing the JSON template.
* Experience in designing and deploying AWS Solutions using EC2, S3, EBS, Elastic Load balancer (ELB), auto scaling groups.
* Implemented and maintained the monitoring and alerting of production and corporate servers/storage using AWS Cloud watch.
* Used Amazon Web Services (AWS) console and the AWS CLI to launch and manage VM's with Public/Private subnet and setup load balancing, security groups etc.
* Installed and supported the Clear Case and Multi-Site tools for the entire group.
* Assisted customers in implementing DevOps strategies using Build forge as the automation engine.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with ANT to schedule the builds.
* Involved in creating, configuring and upgradation of Maven build and deploy scripts to deploy SOA12c based applications.
* Setup and configured KVM on Red hat and Xen on SuSE and installed guest OS on KVM and Xen
* Experience with PowerShell and Azure PowerShell, developed and maintained PowerShell Runbooks. Experience on Microsoft SMA (Service Management Automation).
* Used ANT as build tool on Java projects for the development of build artifacts on the source code.
* Responsible for orchestrating CI/CD processes With TeamCity by responding to Gittriggers, human input, and dependency chains and environment setup.
* Build and Deployment CI/CD Jenkins pipelines as code.
* Performed SVN to GIT/BitBucket migration and managed branching strategies using GIT flow workflow.
* Managed all the bugs and changes into a production environment using the Jira tracking tool.
* Created JIRA issues to prioritize and take an action on what's important, and stayed up to date with what's going on around the project.
* Involved in setting up JIRA as defect tracking system and configured various workflows, customizations and plugins for the JIRA bug/issue tracker.
* Managed Ubuntu Linux and Windows virtual servers on AWSEC2 using Open-Source Ansible Server
* Creating builds using PowerShell Scripts, Ant/Maven scripts manually and automated.
* Worked with different scripting languages such as PowerShell, Ruby, groovy, Python as a part of writing scripts for the automation tasks.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools like Ansible.
* Automated the infrastructure using Terraform and making it auditable by storing all the infrastructure changes in a version control system like GIT.
* Used Terraform in AWS Virtual Private Cloud to automatically setup and modify settings by interfacing with control layer.
* Worked at optimizing volumes and EC2 instances and created multiple VPC instances.
* Created S3 buckets and managed policies for them and utilized S3 buckets for backup on AWS.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Designed and deployed applications utilizing AWS stack which includes EC2, S3, Dynamo DB and IAM, focusing mainly on high-availability and fault tolerance.
* Provided security and managed user access and quota using AWS Identity and Access Management (IAM).
* Worked with GitHub private repositories and creating S3 backups by enabling versioning and moved objects to Amazon Glacier for archiving purpose.
* Configured RDS instances using Cloud formations and Terraform.
* Developed build and deployment scripts using ANT and Apache MAVEN as build tools in Jenkins to move from one environment to another environment.
* Used various plug-ins to extend the base functionality of Hudson/Jenkins to deploy, integrate tests and display reports.
* Used Jenkins, Build forge for Continuous Integration and deployment into Tomcat Application Server.
* Created release pipelines using GIT, TFS, Chef for automatic workflow.
* Created Continuous Integration and Continuous Delivery Pipelines for the build and deployment automation in place.
* Worked extensively on Ansible Playbooks and Scripting.
* Developed deployment, configurations, provisioning all the middleware products using puppet and ruby.
* Used kubernetes to deploy scale, load balance, scale and manage containers.
* Developed CI/CD system with Jenkins on Google's Kubernetes container environment, utilizing kubernetes and docker for the runtime environment for the CI/CD system to build and test and deploy.
* Experience in SQL Server 2008/2012 Installation, Configuration, Backup and Recovery.
* Migrated SQL Server 2008 database to Windows Azure SQL Database and updating the Connection Strings based on this.
* Create, manage, and delete users and groups as per the request using Amazon Identity and Access Management.
* Virtualized the servers using the Docker for the test environments and dev-environments needs. And also configuration automation using Docker containers.

**Environment**: AWS, S3, AWS cloud watch, Nginx, Buildforge, GitHub, RPM, YUM, Ansible, Docker, Java, kubernetes, Terraform, Vagrant, KVM, Bash, Shell, Python, Ruby.

**Client: Wells Fargo, Charlotte, NC Sep-2014- Dec- 2016**

**Role: DevOps Engineer**

**Responsibilities:**

* Involved in designing and documenting the deployment and migration process
* Actively involved in various production and lower level environment deployments
* Provided configuration management expertise to all software development projects.
* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and glacier for storage and backup on AWS.
* Maintaining and creating Scripts Using Shell for automating Various System Processes
* Deployed and configured Chef Server and Chef Solo including bootstrapping of chef client nodes for provisioning Created roles, cookbooks, recipes, and data bags for server configuration, deployment, and app stack build outs.
* Extensively involved in writing the cookbooks and recipes.
* Created various Maven scripts to create multiple deployment profiles and deploy the applications to Apache Tomcat.
* Hands on experience with Windows Azure, Cloud Services, Storage/Storage Accounts, Azure Traffic Manager
* Creating and Managing Virtual Machines in Windows Azure and setting up communication with the help of endpoints.
* Used Terraform scripts to automate future AWS service creations.
* Managed Amazon Redshift clusters such as launching the cluster and specifying the node type.
* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Implemented automated local user provisioning instances created in AWS cloud.
* Deployed applications on AWS by using Elastic Beanstalk.
* Using the AWS Marketplace, AWS EC2 Console, and AWS Command Line Tool.
* Generated Python scripts to automate AWS services, which includes web servers, ELB, Cloud Front distribution, database, EC2 and database security groups, S3 bucket and application configuration, these scripts create stacks, single servers, or joins web servers to stacks.
* Managed AWS EC2 instances utilizing Auto scaling, Elastic Load Balancer and Glacier for our QA and UAT environments as well as infrastructure servers for GIT and chef.
* Installed and configured configuration tool such as chef Server / workstation and nodes via CLI tools
* to AWS nodes.
* Migrating and maintaining build and test environments into the Cloud Infrastructure.
* Managed Git repository, code merging, and production deployments.
* Analyzed and resolved conflicts related to merging of source code for SVN and Git.
* Maintained build related scripts developed in shell for Maven builds. Created and modified build configuration files including POM.xml.
* Performed Builds using MS Build command line for C#, VB, .NET Applications.
* Used ANT and MAVEN as a build tools on java projects for the development of build artifacts on the source code.
* Developed chef recipes to configure, deploy and maintain software components of the existing infrastructure.
* Using chef written cookbooks like TOMCAT and BASEPACKAGES for an application to automate and make virtual machine servers with the single click we made possible to make server spin off in less than 10 minutes.
* Used chef to automate Configuration management & Applications.
* Used chef to manage Web Applications, Config Files, Data Base, Commands, Users Mount Points, and Packages.
* Utilized Configuration Management Tool Chef& created chef Cookbooks using recipes to automate system operations.
* Administered and Engineered Jenkins for managing weekly build, test and deploy chain, SVN/GIT with Dev/Test/Prod Branching Model for weekly releases.
* Defined branching, labelling, and merge strategies for all applications in Git.
* Managed version control tool Git to version code changes to help developers/programmers branch/merge/revert code.
* Built Continuous Integration CI environment OCTOPUS and Continuous delivery environment.
* Build out server automation with Continuous Integration - Continuous Deployment tools like Jenkins/Maven for deployment and build management system.
* Installed, Configured and Managed Monitoring Tools such as Splunk for Resource Monitoring/Network Monitoring and Log Tracing.
* Experience in using Splunk for Log analyzing and improving the performance of servers.
* Designed and developed automation test scripts using Python.
* Configured plugins for the integration tools to the version control tools.
* Managed source code, software builds, software versioning, and detect tracking on software maintenance tasks/projects.
* Involved in DevOps processes for build and deploy systems.

**Environment**: Jenkins, Puppet, NEXUS, Artifactory, GIT, MAVEN, JIRA, Java, LINUX, Windows, Web logic, Apache, Tomcat, MySQL, Shell scripts.

**Client: S4 Consultants, Hyderabad, India Apr-2013 - Aug-2014**

**Role: Build & Release Engineer**

**Responsibilities**:

* Involved in defining documenting and maintaining code deployment pilot automation project documents.
* Experience in DevOps Engineer for 8 project teams that involved different development teams and multiple simultaneous software releases.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
* Extensive exposure to Configuration Management policies and practices with regards to SDLC; along with automation of scripting using BASH/Shell, Perl scripting.
* Expert in performance monitoring tools like Iaas, AWS cloudwatch and stackdriver
* Installed and configured Anthill Pro for Automating Deployments and providing a complete automation solution.
* Configured AWS EC2 Instances using AMIs and launched instances with requirements of specific applications.
* End to end deployment ownership for projects on Amazon AWS. This includes Python scripting for automation, scalability, build promotions for staging to production etc.
* Created continuous integration system using Ant, Jenkins, Puppet full automation, Continuous Integration, faster and flawless deployments.
* Extensive experience in using Continuous Integration tools like Cruise Control, Build Forge, and Hudson.
* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation using Jenkins along with Shell scripts to automate routine jobs.
* Build Results are managed in Anthill Pro and deployed using workflows in Anthill Pro.
* Presented on View Object pattern in Web Application Automation, Ruby, Rake, Power shell, Selenium, Team City.
* Worked on Amazon Web services for deploying EC2 instances containing various platforms such as RHEL, CentOS, Ubuntu in Linux and windows 2008 and 2012.
* Construct Puppet Modules/Functions to Support Solaris IPMP (IP Multipathing) on Solaris
* Review/Merge/Remove Git Pull Requests to bitbucket. Run Ansible Scripts to provision Dev servers.
* Developed Windows Powershell script to automate setting of user credentials and activation of Windows Helping the Project team to get transformed to Scrum methodology using TFS 2012.
* Implemented quality release of Applications and solutions for Delivery Manager.
* Hands on Exposure on TFS Version Control, VSS, SVN.
* Implement Openstack Log Analytics Solution as a service using Flume, Fluentd, Logstash with Elasticsearch and Kibana for searching and indexing the logs.
* Development of infrastructure automation in AWS (EC2, DynamoDb, Lambda, EBS, RDS, Dynamo, ELB, EIP etc) with AWS Cloud Formation.
* Work in migrating code from SVN to git repo (stash/bitbucket), clean the git repo (purging files).
* Experience with Visual Studio Build Professional, NANT, MSBUILD.
* Migrated Projects from VSS to TFS 2012 with History
* Worked on build tasks using Maven, Ant, Gradle and GNU Make files and worked with development team to migrate Ant scripts to Maven.
* Imported and managed multiple corporate applications in Subversion (SVN).
* Worked on Maven to create artifacts from source code and deploy them in Nexus central repository for internal deployments.
* Implemented and designed AWS virtual servers by Ansible roles to ensure deployment of web applications.
* Implemented the use of Nagios tool for Monitoring and analyzing the network loads on the individual Machines
* Integrated Jenkins with various DevOps tools such as Nexus, Sonarqube, Puppet, CA Nolio, HP CDA, HP ALM and HP QTP etc.
* Previous experience with production deployment tools like AnthillPro and Nolio a plus Worked with Atlassian tools like Bamboo & Jira.
* Skilled in Test Driven Development and Agile Development (TDD)
* End-user training regarding branching strategies for all Subversion (SVN) users to effectively use the tool.
* Used Jenkins for enterprise scale infrastructure configuration and application deployments.
* Using ANT, Puppet/ Chef Scripts with Ivy to build the application and deploy.
* Created Continuous Build Process using Jenkins as Continuous integration tool.
* Designed and implemented scalable, secure cloud architecture based on Amazon Web Services. Leveraged AWS cloud services such as EC2; auto-scaling; and VPC (Virtual Private Cloud) to build secure, highly scalable and flexible systems that handled expected and unexpected load bursts, and are able to quickly evolve during development iterations. Implemented multiple high-performance MongoDB replica sets on EC2 with robust reliability
* Worked on infrastructure with Docker containerization.
* Worked on high-volume crash collecting and reporting system, built with Python.
* Performed dispatcher role to distribute tasks assigned to the onshore team.
* Drove releases, automated release process.
* Collaborated with development support teams to setup a continuous delivery environment with the use of Docker.
* Developed unit and functional tests in Python and Java.
* Work with Docker for convenient environment setup the test environments.
* Have used SharePoint to create, share and discuss content and projects.
* Used configuration management tools Chef, Puppet, and CF Engine.
* Proposed branching strategy suitable for current application in Subversion.
* Managed the Release Communication and Co-ordination Process.

**Environment:** Solaris, Linux, Eclipse, Java, SQL, AWS EC2, Python, Subversion, Bash, Hudson, NT Command Shell, Java/J2EE, ANT, Gradle, Bamboo, Chef, Puppet,AWS Cloud Formation Templates, AWS RDS, AWS RDS, AWS Cloud Watch, JIRA, XML, Vagrant LINUX (RHEL, CentOS),Docker, Jenkins.

**Client: ICICI Bank, HYD, INDIA. Jan-2012 - Mar-2013**

**Role: Linux Administration**

**Responsibilities:**

* Performed installation, configuration, upgrades, Package administration and support for Linux Systems on client side using Red hat satellite network server.
* Worked on RedHat Linux installation, configuring and maintenance of applications on this environment. Performed automated installations of Operating Systems using kickstart for Linux.
* Package management using RPM, YUM and Update in Red Hat Linux Installation and configuration from scratch and regular monitoring.
* Scanning LUNs from SAN and creating Volume groups, creating and extending LVM and file systems online.
* Scheduled users to perform High Performance Computing activities on the Linux cluster.
* Created users, manage user permissions, maintain User and File system quota on Linux servers.
* Experience managing and tuning MySQL and writing SQL scripts.
* Identified and solved any issues or errors.
* Applied patches and supported Linux Servers with Oracle Database servers.
* Worked on Kernel tuning and Kernel patching.
* Configuring SUDO and granting root permission to Backup Admins/DBAs to perform root related activities.
* Creating and modifying Standing Operating procedures for the team.
* Automated system management tasks like user account creation, file system size monitoring, monitor system resources and system maintenance using Shell scripts.
* Managed Disk using LVM, resized disk space when required. Managed disk space from NetApp filers
* Setup NTP server and synchronized clients with NTP server.
* Troubleshoot application problems by diagnosing issues.
* Troubleshooting Backup and Restore Problems, Creation of LVMs on SAN using Linux utilities.
* Monitored overall system performance, performed user management, system updates and disk & storage management.
* Performed OS upgrades and Patch loading as and when required.
* Setup SSH password less login in Open SSH.
* Network installation via centralized yum server for client package update.
* Experience in using various network protocols like HTTP, UDP, FTP, and TCP/IP.
* Migrated database applications from Windows 2000 Server to Linux server.
* Installing and setting up Oracle9i on Linux for the development team.
* Linux kernel, memory upgrades and swaps area. Red hat Linux Kickstart Installation.
* Experienced in Red Hat Linux package administration using YUM configuration like assigning IP addresses.

**Environment:** Red Hat Enterprise Linux, Shell-Scripting, LVM, Windows, RPM, YUM, NFS, LVM, HTTP, FTP.