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| Abhishek Adhikari | |  |  | | --- | --- | | Keene, New Hampshire |  | | 603-605-0944. |  | | Abhishek.adhikari7645@gmail.com |  | |  |  | |  |  | |

* 11 years of experience in IT Infrastructure and Hosting based 24X7 support environment. Seeking a Technical position fully utilizing strong customer service attitude, exceptional organizational ability and technical skills.
* Worked in various Linux server environments from DEV all the way to PROD and along with cloud powered strategies embracing Azure. Good understanding of the principles and best practices of Software Configuration Management (SCM) in SDLC methodologies like Agile/Scrum and Waterfall.
* Strong experience in CI (Continuous Integration)/ CD (Continuous Delivery) software development pipeline stages like Commit, Build, Automated Tests, Deploy etc.
* Strong hands-on experience in working with Build Tools like Ant and Maven.
* Experience in working with Version Control Systems/ Source Code Repository tools like Subversion, GIT, CVS, SVN, GitHub, Performance maintaining/troubleshooting the CM tool in UNIX and Windows environments.
* Experience in managing and setting up Continuous Integration using tools like Jenkins/Hudson and Bamboo.
* Extensive experience in CentOS/RHEL/Ubuntu System Administration, System Builds, Server Builds, Installations, Upgrades, Patches, Migration, Trouble shooting on RHEL 5.x,6.x,7, Centos, Troubleshooting Server issues.
* Proficient in DB administration (Oracle, DB2, Mongo, MySQL, Sybase and SQL) knowledge for maintaining, pruning, and performing required DB tasks.
* Administered, installed, supported LINUX Networking services and protocols like NIS, NIS+, LDAP, DNS, TCP/IP, DHCP, NFS, FTP, SSH, SAMBA, Configuring NFS shares and NFS mounts and troubleshooting and fixing the network problems.
* Involvement in setup and installation LAMP (Linux, Apache, MySQL, PHP) on Linux.

# Experience:

# December 2018 - Present

# Senior Azure Engineer

# C & S Wholesale Grocers, Keene, New Hampshire

* Involved in creating the Azure Services with Virtual Machine. Involved in developing the Azure Solution and Services like IaaS and PaaS. Managed Azure Infrastructure Web Roles, Worker Roles, Storage, Azure AD Licenses, Office365. Created Cache Memory on Windows Azure to improve the performance of data transfer between SQL Azure and WCF services.
* Used Azure Express Route to set up a private connection to Microsoft cloud services such as a Microsoft Azure and Dynamic 365.Configured Azure Virtual Networks, subnets, DHCP address blocks, Azure network settings, DNS settings, security policies and routing. AzureAPI Management, Security, Cloud-to-Cloud Integration (Public, Private).
* Managed host Kubernetes environment, making it quick and easy to deploy and manage containerized applications without container orchestration expertise.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its nodes, Config-Maps, selector, Services and deployed application containers as Pods.
* Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like Docker and Kubernetes. Built Docker containers using microservices project and deploy to Dev.
* Installed Docker Registry for local upload and download of Docker images and from Docker Hub and created Docker files to automate the process of capturing and using the images.
* Worked on Ansible Playbooks with Ansible roles. Created inventory in Ansible for automating the continuous deployment. Configured the servers, deployed software, and orchestrated continuous deployments or zero downtime rolling updates.
* Implemented Ansible Tower for managing complex network deployments by adding control, knowledge and delegation to Ansible powered environments. Wrote Ansible Playbooks using Python SSH as Wrapper for Managing Configurations of my servers, Nodes, Test Playbooks on Azure instances using Python.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible Playbooks and has integrated Ansible with Azure DevOps.
* Created Ansible cloud modules for interacting with Azure services which provides the tools to easily create and orchestrate infrastructure on Azure and automated cloud-native applications in Azure using Azure microservices such as Azure functions and Azure Kubernetes Service (AKS)..
* Extensively worked on Continuous Integration (CI) and Continuous Deployment (CD) process by automating build on time basis using Azure DevOps. Designed the project workflows/pipelines using Jenkins for Continuous Integration and deployment into different Web/Application Server.
* Involved in the functional usage and deployment of applications in WebLogic, WebSphere, IIS and Apache Tomcat Server.
* Extensive experience in Azure E3 Enterprise Mobility Suite of tools in MFA (Multi-Factor Authentication) and Intune. Build Data Sync job on Windows Azure to synchronize data from SQL 2012 databases to Azure SQL, Azure IoT hub, event hub, service bus and integration patterns.
* Developed a conical map/reduce-like architectural pattern that that is designed to leverage the Azure platform. Work in progress on POC to migrate to Windows Azure to address scalability and performance issues. Implemented high availability with Azure Classic and Azure Resource Manager deployment models.
* Converted .Net application to Microsoft Azure Cloud Service Project a part of cloud deployment. Migrated SQL Server 2008 database to Windows Azure Redis and updating the Connection Strings based on Windows Azure SQL Database. Experienced with deployments, maintenance and troubleshooting applications on Microsoft Cloud infrastructure Azure.
* Used Terraform to reliably version and create infrastructure on Azure. Created resources, using Azure Terraform modules, and automated infrastructure management.
* Similar infrastructure is deployed to Azure and additional cloud providers or on-premises datacenters using Terraform and managed infrastructure on multiple cloud providers.
* Used both Splunk for monitoring and analyzing log information. Experienced in Troubleshooting. Splunk search, quotas, monitor Inputs, WMI Issues, Splunk crash logs and Alert scripts.
* Designing and Setting-Up the Splunk Architecture in the organization and creating Applications on Splunk to analyze the Big Data. Design and write code to develop and maintain systems which power Splunk multi-tenant services hosted in the public cloud.
* Used Azure Kubernetes Service to deploy a managed Kubernetes cluster in Azure and created an AKS cluster in the Azure portal, with the Azure CLI, also used template driven deployment options such as Resource Manager templates and Terraform.
* Experience with Open Shift, Kubernetes architecture and design, troubleshooting issues with platform components Azure, and developing global or multi-regional deployment models and patterns for large-scale developments and deployments on Cloud Foundry, OpenShift and Kubernetes.
* Managed host Kubernetes environment, making it quick and easy to deploy and manage containerized applications without container orchestration expertise.
* Configured applications that run multi-container Docker applications by utilizing the Docker-Compose tool which uses a file configured in YAML format. Used Kubernetes to manage containerized applications using its nodes, Config-Maps, selector, Services and deployed application containers as Pods.
* Designed strategies for optimizing all aspect of the continuous integration, release and deployment processes using container and virtualization techniques like Docker and Kubernetes. Built Docker containers using microservices project and deploy to Dev.
* Installed Docker Registry for local upload and download of Docker images and from Docker Hub and created Docker files to automate the process of capturing and using the images.
* Worked on Ansible Playbooks with Ansible roles. Created inventory in Ansible for automating the continuous deployment. Configured the servers, deployed software, and orchestrated continuous deployments or zero downtime rolling updates.
* Implemented Ansible Tower for managing complex network deployments by adding control, knowledge and delegation to Ansible powered environments. Wrote Ansible Playbooks using Python SSH as Wrapper for Managing Configurations of my servers, Nodes, Test Playbooks on Azure instances using Python.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible Playbooks and has integrated Ansible with Azure DevOps.
* Created Ansible cloud modules for interacting with Azure services which provides the tools to easily create and orchestrate infrastructure on Azure and automated cloud-native applications in Azure using Azure microservices such as Azure functions and Kubernetes on Azure.
* Extensively worked on Continuous Integration (CI) and Continuous Deployment (CD) process by automating build on time basis using Azure DevOps. Designed the project workflows/pipelines using Azure DevOps for Continuous Integration and deployment into different Web/Application Server.
* Involved in the functional usage and deployment of applications in WebLogic, WebSphere, IIS and Apache Tomcat Server.
* Created a resource group, storage account, and Azure Files in cloud Shell using PowerShell, Created Power Shell scripts to automate the Azure Cloud system creation including end-to-end infrastructure, VMs, storage, firewall rules.
* Virtual Machine Backup and Recover from a Recovery Services Vault using Azure Cloud Shell and Portal. Used Power Shell for troubleshooting remote management of Azure Virtual Machines.
* Used Git as Source code Manager, Phabricator for code review, Git repository hosting, bug tracking, project management, team collaboration tool, Arcanist as a command line interface to Phabricator to create Lint’s for reviewing code.
* Worked with different Bug tracking tools like JIRA. Generated reports using JIRA for creating projects, assigning permissions to users and groups for the project and created mail handlers and notifications schemes for JIRA.
* Extensively worked with various scripting languages like Bash, Shell and Python.
* Branching, Tagging, Release Activities on Version Control Tool: GitHub.

# August 2016 – November 2018

# AWS Middleware Engineer

# New Hampshire Motor Speedway, Loudon, New Hampshire

* Worked on creation of Ansible manifest files to install tomcat instances and to manage configuration files for multiple applications and managed existing infrastructure and created new infrastructure using Ansible as Configuration Management tool.
* Designed Aws cloud formation templates to create custom sized VPC, Subnets, NAT to ensure successful deployment of web applications and database templates
* Implemented CI/CD process using TeamCity for development team, allowing for dozens of code updates per hour with zero downtime.
* Responsible for integrating TeamCity with AWS, which is used to build and test the code by using the AWS DevOps Orchestration tool, Code Pipeline.
* Implementing a continuous delivery framework using Jenkins, Chef, Maven and Nexus as tools.
* Experience involving configuration S3 Versioning and lifecycle policies to and backup files and achieve files in glacier.
* Our client is using Jenkins for orchestration and SonarQube for code checking (code is in Github). Our development environment is a combination of Java, Python, Installed, Configured and maintained web servers like HTTP web server, Apache Web Server and WebSphere Application server on Red Hat Linux
* Experienced in using build and automation tools like ANT and Maven
* Developing build and deployment script using Ant and Maven as a Build tools in Jenkins to move from one environment to other environments for continuous integration.
* Generated scripts for effective integration of JIRA applications with other tools.
* Coordinate developers with establishing and applying appropriate branching, labelling conventions using subversion (SVN) and GIT source control.
* Branching and merging code lines in the GIT and resolve all the conflicts raised during the merges.
* Worked on Installing, configuring and managing Monitoring Tool Nagios for Resource Monitoring, Network Monitoring and Log Trace Monitoring
* Worked on Installing RedHat Linux servers using kickstart and applying the security polices for hardening the server based on the company policies
* Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances Auto scaling, elastic load balance and AMIs.
* Worked with Web Services Admin Team and DBA Team to debug environment issues in Web logic and Oracle servers.

# April 2015 – July 2016

# Build & Release Engineer

# AmeriHealth Caritas Pennsylvania, Harrisburg, Pennsylvania

* Implemented AWS solutions using EC2, S3, RDS, EBS, Elastic Load Balancer, Auto scaling groups and Cloud Formation Templates.
* Setup S3 buckets for Artifact management and Storage of batch files for multi cluster batch application.
* Migrated on Premise MySQL database to Multi Availability Zone RDS instances.
* Configured Elastic Load Balancers with EC2 Auto scaling groups.
* Experience working with Puppet Enterprise and Puppet Open Source. Installed, configured, upgraded and managed Puppet Master, Agents & Databases. Integration of Puppet with Apache and Passenger.
* Setup Chef Server, workstation, client and wrote scripts to deploy applications.
* Developed Chef Recipes to configure, deploy and maintain software components of the existing infrastructure.
* Worked closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using Chef.
* Created customized AMIs based on already existing AWS EC2 instances by using create image functionality, hence using this snapshot for disaster recovery.
* Worked on AWS cloud watch for monitoring the application infrastructure and used AWS email services for notifying & configured S3 versioning and lifecycle policies to and backup files and archive files in Glacier.
* Automated CI/CD process using Jenkins, build-pipeline- plugin, maven, GIT.
* Involved in Software Configuration Management, Build & Deployment Management.
* Extensive experience in deploying and debugging of deployments to Web sphere, Tomcat.
* Create documents on build process and flow, build script maintenance, user guide for developers for local builds.
* Managed multiple patch releases by working closely with QA team and development teams.
* Set up Jenkins’s master/slave to distribute builds on salve nodes.

# July 2014 – March 2015

# Software Configuration Manager

# Benco Dental – Pittston, Pennsylvania

* Handling the day-to-day Operations, install software, apply patches, manage file systems, monitoring performance and troubleshoot alerts.
* Applying patches to fix the holes that are found during the quarterly scan basis using Nessus scan.
* Automated MySQL Container Deployment in Docker using Python and monitoring of these containers using Nagios monitoring tool.
* Splunk deployment configuration and maintenance across a variety of Unix and Windows platforms for creating Libraries, Projects and Jobs in build forge automating the build and deployment process.
* Maintain various software feature branches using a Source Control System, GIT.
* Software integration activities using Ansible.
* Managed Hudson / Jenkins-based build system, producing semi-continuous builds.
* Developed comprehensive Hudson / Jenkins command line tool, vastly increasing Efficiency and accuracy of common, repetitive tasks.
* Developed automated processes that run daily to check disk usage and perform cleanup of file systems on UNIX environments using shell scripting and CRON.
* Handled user and client security and access on AIX and Linux servers for remote access.
* Wrote Perl and shell scripts for data mining and data integration solutions to reduce labor force and data entry.
* Installation of Oracle Patches and Troubleshooting, Creating and modifying application related objects, Creating Profiles, Users, Roles and maintaining system security.
* Administered Linux servers for several functions including Apache/Tomcat server, mail server and MySQL databases in both development and production.

# March 2010 – June 2014

# Linux Consultant

# Strafford County – Department of Corrections, Dover, New Hampshire

* Create and manage user accounts.
* Monitor application process.
* Responsible for installation and maintenance of Solaris, Red Hat and IBM AIX servers.
* Setup J2EE environment, install, configure, tuning and support Weblogic, JBoss, Tomcat and Apache server for test and production environment.
* Administer accounts for individual and corporate users.
* Troubleshoot user logins using Telnet.
* Perform security administration and monitored job processes using associated commands.
* Monitor client disk quota.
* Administered file system security.
* Upgrade server memory and configured page file.
* Execute scripting in production environment.
* Administer tools for Repository creation and maintenance of accounts using tool environment for non-global zones.
* Configure SPARC servers.
* Perform patch administration.
* Schedule jobs using CRONTAB and AT Utility and write shell scripts to automate system process.
* Examined log activity.
* Documenting of Linux, Windows environment and configuration details including documentation of solutions for any issues that have not been discovered previously.
* Setup Firewall rules.
* Deploy applications in clustered environments.
* Recommend and implement solutions to identified security exposures.

# Education

## B.S in Management Information System - Southern New Hampshire University, Manchester, New Hampshire