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**AWS/Devops/Build and Release Engineer Phone: 857-302-0436**

**Summary –**

* Over 7 years of IT industry experience as a System Administrator, Dev Ops Engineer and Production Support of various applications on Red Hat Enterprise Linux, CentOS, Security and AWS Cloud environment.
* Highly skilled in deployment, data security and troubleshooting of the applications using AWS services.
* Knowledgeable on Cloud technologies including Infrastructure as a Service, Platform as a Service, and Software as a Service provider (IaaS, PaaS, and SaaS).
* Experienced with principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies.
* Hands on experience on AWS EC2 Systems Manager – Patch Manager, Run Command, Maintenance Windows, created documents that helps for automation process to patch managed instances.
* Gathered the inventory data for the managed instances through Quick sight for reporting and created dashboards preserves analytics such as filtering and sorting.
* Good exposure to Version control tools like Git, GitHub, SVN, Bitbucket
* Proficient in writing Cloud Formation Templates (CFT) in YAML and JSON format to build the AWS with the paradigm of Infrastructure as a Code.
* Excellent Knowledge of Application Lifecycle Management, Change & Release Management and ITIL process.
* Migrated VMWARE VMs to AWS and managed services like EC2, S3 Bucket, Route53, ELB, EBS
* Performed S3 buckets creation, policies on IAM role based polices and customizing the JSON template.
* Experience in building S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS using lifecycle policies.
* Established connectivity to AWS resources in another VPC in another region using AWS VPC peering and strong swan/IPSEC tunnel.
* Used ELK (Elastic search, Logstash, Kibana) stack to gather log data from hundreds of client locations
* Strong knowledge of system performance and monitoring tools such as Splunk, Zabbix, SolarWinds.
* Proficiency in authoring and managing configuration management frameworks, such as Chef, Puppet, Ansible and Vagrant, Nagios
* Extensively worked with Change tracking tools like BMC Remedy, JIRA, Bugzilla and used these tracking, reporting and managing bugs.
* Build Data Sync job on Windows Azure to synchronize data from SQL 2012 to SQL Azure.
* Adopted CI/CD tools as part of BAU release and deploying the Jenkins /Jenkins with Ant, Maven and configuration management tool like CHEF which Automate preproduction work such as App installation and setting up users and security hardening with Chef Cookbooks
* Installs Firmware Upgrades, kernel patches, systems configuration, performance tuning on Unix/Linux systems.
* Experienced in supporting database systems Mysql, Mongodb, Dynamodb, Cassandra, Kafka
* Provided end-user straining for all Tortoise SVN, JIRA users to effectively use the tool.
* Installation, management, and updates of Atlassian products - JIRA, Confluence, Bamboo, Fisheye, and Stash.
* Have a good experience in writing many ad-hoc scripts using many popular different languages like Python, Ruby, Bash and Shell based scripting.

**Experience**

*Cardinal health– Dublin,OH* May 2017 to Present

**AWS/Devops Engineer**

* Hands on experience on AWS EC2 Systems Manager (Patching Document : https://drive.google.com/file/d/0ByTTaeJpLgZ0WGRnbG5wRTB1enc/view?usp=sharing) and patched over 2000 cloud -native servers (windows and Linux) and 1000 On-prem servers through remote service SSM agent.
* Created patch document through Shell script and PowerShell and automated installation of SSM agents on servers.
* Worked with Quick sight and AWS Athena for querying and Dashboards creating for analyzing the data and reporting.
* Worked extensively on Lambda functions(python) to power-on 1000 servers, when given a trigger and identify the tags that turn off the servers when the task is finished
* Configured servers using AWS, which includes importing necessary volumes AWS Elastic Block Storage (EBS) and launching the EC2 instance, creating security groups, auto-scaling, load balancers, Route 53 and SNS as per the architecture.
* Establishedand accountable for backup and disaster recovery for all systems, N2WS cloud native backup tool for hourly backup for EBS volumes for everyone hour.
* Configured cloudbees Jenkins plugins for pushing Artifact, Log parser, build timeout plugins.
* Created and maintained cloud application, migrated on premises application servers to AWS through Velostrata.
* Configuring and Networking of Virtual Private Cloud (VPC) Written Cloud formation templates and deployed AWS resources using it.
* Installed and configured Splunk to monitor applications deployed on application server, by analyzing the application and server log files.
* Worked with Source Code Management system Git/Bitbucket and with build manager for Java projects Maven.
* Working on Ansible Tower to automate the repetitive tasks to minimize the operational costs. Good knowledge on Ansible Vaults to encrypt and decrypt thee files.
* Worked on updating Jobs, Groovy for the migration of Jenkins jobs from MS Azure to Google cloud.
* Experience in AWS Ansible Python Script to generate inventory and push the deployment to manage the configurations of multiple servers using Ansible.
* Configure and setup VPN and setup VPN tunnels to cloud-based (AWS) servers in use in the network.
* Used advanced search engine ELK stack (Elasticsearch, Log stash and Kibana) to process large datasets and visualize the results based on aggregations and filters on structured and unstructured fields.
* Installed and configured configuration tool such as Chef Server / workstation and nodes via CLI tools to AWS nodes
* Experience in extending on premise AD into AWS VPC's, deployed SOPHOS UTM in AWS VPC ACL's, Internet Gateways, NAT instances and IP tables to ensure a secure zone for organizations in AWS public cloud Docker.
* Utilized Splunk monitoring with Ansible automation of infrastructure in Kubernetes cluster and automation through Jenkins, Ansible scripts in Linux OS systems on AWS EC2 instances with S3 storage.
* Created the AWS Lambda function and migrated the configuration items from AWS to service now and helped them to configure them to solar winds monitoring and enabled triggers. Configuring IAM roles for EC2 instances in ELB and assign them policies granting specific level access to S3 buckets by customizing JSON template designed Stacks using Amazon Cloud Formation templates to launch Infrastructure, used Code Commit to host secure, scalable private Git repositories.
* Build application and database servers using AWS EC2 and create AMIs as well as use RDS for Oracle DB.

*EMC2 –Plano,TX* September 2016 to May 2017

**AWS/Devops Engineer**

* Supported Linux environment with around 2500+ servers running Redhat Linux.
* Involved in designing and deploying multiple applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Utilize Cloud Watch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, Dynamo DB tables, and EBS volumes.
* Installing and configuring Jenkins master and slave nodes. Built CI/CD pipeline and managing the infrastructure as code using chef.
* DevOps, Configuration Management, Build Engineering and Release Management processes, including Building binaries, end-to-end code configuration, and deployments of artifacts for entire life cycle model in Enterprise Applications.
* Experienced in DevOps, Build & Release and Configuration Management on Linux and Windows platforms.
* Django-Celery Used for Queuing System in the Build and deploy process, taking Build & Deploy in Order-by. Using GIT for Version Control. Push/Pull/Commit/merge with GIT
* Thorough understanding of automated implementation/deployment of a cloud based infrastructure (Web apps, Application Service Environments, load balancers, storage, monitoring, security, DNS etc.)
* Utilized Ansible and AWS lambda, kinesis, elastic cache and cloudwatch logs to automate the creation of log aggregation pipeline with ElasticSearch, Logstash, Kibana stack (ELK stack) to send all our team's logs coming into cloudwatch, to process them and send them off to ElasticSearch.
* Developed Groovyscripts to test Report application output and used Groovy Script to customize test.
* Provide consulting in security and managed cloud services to clients
* Deployed Ansible playbooks to automate security tool SaaS deployments on AWS/Google Cloud Instances
* Configured servers using AWS, which includes importing necessary volumes AWS Elastic Block Storage (EBS) and launching the EC2 instance, creating security groups, auto-scaling, load balancers, Route 53 and SNS as per the architecture.
* Built python automation scripts to apply OS patching for EC2 instances for security upgrades.
* Experienced in Amazon EC2 setting up instances, virtual private cloud (VPCs), and security groups.
* Experience in Migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud formation, Code Deploy, Chef, EBS and OpsWorks.
* Used Python, Django and Zope frameworks to develop applications
* Utilized AWS CLI to automate backups of ephemeral data-stores to S3 buckets and EBS.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach one or more AWS EC2 instances.
* Experience in Performance Tuning and Query Optimization in AWS Redshift and Configured AWS Identity Access Management (IAM) Group and users for improved login authentication.
* Involved in designing and deploying multiple applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high-availability, fault tolerance, and auto-scaling in AWS Cloud formation.
* Created AWS Route53 to route traffic between different regions.
* Installed Puppet client software on RHEL 6.x servers and established a communication between master and client through SSL certification.
* Worked on Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like Subversion (SVN), GIT (GitHub), Stash and Clear case.
* Written Chef Cookbooks and recipes to Provision several pre-prod environments consisting of Cassandra DB installations, WebLogic domain creations and several proprietary middleware installations.
* Administered Linux servers for several functions including managing WebSphere, Apace/Tomcat server, mail server, MySQL database, SVN, build and firewalls in both development and production
* Expertise in installation, configuration and administration of RDBMS/NoSQL Oracle 11g, 10g, 9i MYSQL, MongoDB and Cassandra on Red Hat Linux.

*State Farm Insurance – Richardson, TX* October 2015 to August 2016

**DevOps AWS Engineer**

 Demonstrated competency with the following AWS services: EC2, EBS, S3, RDS, VPC, Route53, ELB, IAM, Cloud Front, Cloud Formation and Ability to make recommendations on how new AWS offerings fit in the company architecture.

* Using Chef, deployed and configured Elasticsearch, Logstash and Kibana (ELK) for log analytics, full text search, application monitoring in integration with AWS Lambda and CloudWatch
* Used Octopus to fit into teams that follow agile delivery practices.
* Used AWS JDK, CLI and Cloud Formations create and destroy AWS resources.
* Deployed Cloudera Hadoop Cluster on AWS for Big Data Analytics.
* Integrated security at various levels such as encryption at rest and in transit of data in EBS and S3, limited accessibility, blocking of bad IPs, fixing security loopholes based on internal penetration tests, event-driven security based on cloud watch logs, aws trusted advisor, aws cloud trial, awsconfig, awsWAF service etc.
* Made Django web based apps for Insurance premium calculations.
* Using Amazon Identity Access Management (IAM) tool created groups & permissions for users to work collaboratively.
* Expertise in managing AWS cloud resources EC2, S3, EBS, VPC, ELB, RDS, Elastic beanstalk, Cloud Watch and IAM.
* Created API Keys, Roles and policies and configure log AMI Events with AWS CloudTrail
* Experience with AWS instances spanning across Dev, Test and Pre-production and Cloud
* Designed and implemented the data migration POC for migrating on premise database into AWSCloud.
* Used security groups, network ACL's, internet gateways and route tables to ensure a secure zone for organization in AWS public cloud.
* Experienced in using bug tracking systems like JIRA, Remedy, HP Quality Centre and IBM Clear Quest.
* Implemented Cloud Trail in order to capture the events related to API calls made to AWS infrastructure.
* Setting up of AWS lambda for running scheduled events at fixed rate, expression.
* Implanted a continuous Delivery pipeline with Docker, Jenkins and GitHub. Whenever a new GitHub branch gets started, Jenkins our continuous Integration server, automatically attempts to build a new Docker container from it.
* Build application and database servers using AWS EC2 and create AMIs as well as use RDS for Oracle DB.
* Configuration Management and source code repository management using tools like TFS, GIT, Perforce, Subversion (SVN), RTC, agile tools like JIRA, scrum and CI tools like Teamcity, Bamboo, Jenkins.
* Configured IPSec tunnels with Palo Alto to enable secure transport and cloud-based/site-site VPN to both Azure and AWS.
* Built Continuous Integration environment (Jenkins, Nexus) and Continuous delivery environment (puppet).
* Written Chef Cookbooks and recipes to Provision several pre-prod environments consisting of Cassandra DB installations, WebLogic domain creations and several proprietary middleware installations.
* Build scripts using ANT and MAVEN build tools in Jenkins to move from one environment to other environments.

*Envision Enterprise-Hyderabad, India* January 2012 to September 2015

**AWS/Build and Release**

 Build and release management, change management, and cloud management

* Worked with Jenkins for any automation builds which are integrated with GIT as part of infrastructure automation under continuous integration (CI)
* Developing Cookbooks, Recipes, Resources and Run lists, managing the Chef Client nodes, and upload the Cookbooks to chef-server from Workstation.
* Expertise on Cloud bees Jenkins for the management and control development life cycle process of all kinds, including build, document, test, package, stage and deploy.
* Strong usage of GIT commands to clone the central repository to the local server, merge the local changes with the master.
* Used SonarQube for implementing minimum set of code quality measures.
* Used Jira and Bugzilla as Defect Tracking Tools and directed the Release Management Calls to synchronize with the Developers, Testers and DBA teams for successful Release.
* Used Shell and Perl scripting to deploy artifacts that are built by Ant.
* Wrote shell scripts and automated creating projects in Jenkins and Nexus repository as part of release process
* Involved in developing custom scripts using Shell, Java, JavaScript, SQL, Perl, PHP, and Python (bash, ksh) to automate jobs.

 Responsible for ensuring the health and security of the Linux boxes which were in use.

*Envision Enterprise-Hyderabad, India* May 2010 to December 2011

**Bulit and release Engineer/ Linux/Unix Administrator**

 Provided 24 X 7 on call support (locally and remotely) for around 500+ sun servers in a Data Center Production Environment

* Maintained JIRA for tracking and updating project defects and tasks.
* Puppetize applications and write puppet modules using git flows & bitbucket code review.
* Configured and deployed Java and J2EE applications into application servers.
* Used build tools like ANT and MAVEN on java projects for the development of build artifacts on the source code.
* Worked with Jenkins for any automation builds which are integrated with GIT as part of infrastructure automation under continuous integration (CI)
* Strong usage of GIT commands to clone the central repository to the local server, merge the local changes with the master.
* Automated the build and release management process including monitoring changes between releases. • Scheduled automated builds using Hudson/Jenkins.
* Wrote Unix Shell scripts to automate Subversion (SVN) branching, merging, tagging and various other version control tasks.
* Monitored the UAT/Production Environments for any down time issues by performing regular cron job updates in servers.
* Preformed Installation, adding and replacement of Disks, Cards and Maintenance of SUN Servers.
* Involved in documenting of Linux and Windows environment and configuration details including documentation of solutions for any issues that have not been discovered previously.

**Certifications**

AWS Solution Architect Certified (**AWS-ASA-30905**)

**Oracle** Certified Professional

**Education**

**Jawaharlal Nehru Technology University, India –** Bachelors in Information Technology