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**AWS Certified Solutions Architect/DevOps Engineer**

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**SUMMARY:**

* Have 8 years of IT industry experience as DevOps Engineer and Systems Administrator with expertise in Build/Release Management, Configuration Management, Linux/Unix Administration.
* Expertise in creating DevOps strategy in a mix environment of Linux, Unix and Windows servers along with Amazon Web Services(AWS).
* Experience in branching, merging, tagging, and maintaining the version across the environments using SCM tools like GIT,GitHub, Bitbucket, GitLab, Subversion(SVN) and CVS.
* Expertise in Continuous Integration(CI) and Continuous Delivery(CD) process implementation using Jenkins and Bamboo along with Shell, Groovy and Python Scripts to automate routine Jobs.
* Strong experience in Configuration Management tools such as Chef, Puppet, Ansible and worked on scripting Chef Cookbooks, Puppet modules and Ansible Playbooks.
* Expertise in Shell, Powershell, Python, Ruby and Groovy Scripting languages.
* Extensively experienced in using build automation tools like Maven, Microservices, ANT and Gradle for the building of deployable artifacts such as jar, war and ear from source code.
* Experience in installing and configuring the application and web servers such as Apache, Nginx, Tomcat, JBoss, Websphere, Weblogic and deployed several applications on these servers.
* Extensively experienced in monitoring servers using Nagios, Splunk, AppDynamics and New Relic.
* Experience in Cloud technologies including Infrastructure as a Service, Platform as a Service, and Software as a Service provider (IaaS, PaaS, and SaaS).
* Experience in Docker based container deployments to create shelf environments for dev teams and cluster management using Docker Swarm and Kubernetes.
* Skilled experience in Amazon EC2, Amazon S3, VPC, Security groups, Cloud Watch, RDS, Amazon Elastic Load Balancing and other services of the AWS family.
* Efficiently used Atlassian Tools such as JIRA, confluence, Bitbucket and SourceTree.
* Expertise in installation, configuration and management of databases such as Oracle, MySQL, MS SQL Server, PostgreSQL, MongoDB, Cassandra.
* Experience in Java/J2EE, .Net applications development, building and releasing in different Environments.

**Technologies:**

* **Operating Systems:**Windows, Unix, Linux(RHEL), Ubuntu, CentOS
* **Programming Languages:** C/C++, JAVA/J2EE, .Net,
* **Scripting Languages:** Shell, Powershell, Python, Ruby, Groovy
* **CI/CD Tools:** Jenkins, ANT, Maven, Kubernetes,Docker, Chef, Puppet, Ansible
* **SCM Tools:** GIT, Subversion(SVN), GitHub, GitLab
* **Databases:**  Oracle, MySQL, PostgreSQL, MongoDB
* **Monitoring Tools**: Nagios, Splunk, New Relic, AppDynamics, Cloudwatch
* **Web and Application Servers**: Apache, Nginx, Tomcat, JBoss, Websphere, Weblogic

**Certifications:**

* AWS Certified Solutions Architect – Associate. License# GF03Q5FKKFQEQXW7

**PROFESSIONAL EXPERIENCE:**

**Client: Univision Communications May 16 – Till date**

**Teaneck, NJ**

**Role: AWS DevOps Engineer**

**Responsibilities:**

* Responsible for Continuous Integration (CI) and Continuous Delivery (CD) process implementation fusing Jenkins along with Python and Shell scripts to automate routine jobs.
* Built servers using AWS: Importing volumes, launching EC2, creating security groups, auto-scaling, load balancers, Route 53, SES and SNS in the defined virtual private connection.
* Created alarms in Cloud Watch service for monitoring the server performance, CPU Utilization, disk usage etc.
* Building post install scripts using Shell scripting in Linux servers.
* Implemented Continuous Integration using Jenkins and GIT from scratch.
* Responsible for performing tasks like Branching, Tagging, and Release Activities on Version Control Tools like SVN, GIT.
* Developed automation framework for Application Deployments to the AWS cloud Environments.
* Containerized services in Docker in Amazon environment and Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Created Docker images using a Docker file. Worked on Docker container snapshots, removing images and managing docker volumes and experienced with Docker container service.
* Created Cloud Formation template stacks to automate for building new VPCs using JSON files.
* Migrating present Linux environment to AWS by creating and executing a migration plan, deployed EC2 instances in VPC, configured security groups & NACL's, attached profiles and roles using AWS Cloud Formation templates.
* Managed Chef Cookbooks with recipes, implemented CD automation using Chef, managing existing servers and automation of build/configuration of new servers.
* Used to Write json templates for cloud formation and ruby scripts for chef automation and contributing to our repository on github.
* Written Chef Cookbooks for various DB configurations to modularize and optimize end product configuration and used Chef for server provisioning and infrastructure automation in a SaaS environment.
* Proficient in deploying applications that uses MySQL or similar RDBMS and managed backups with point-in-time recovery of MongoDB.
* Configured Elastic Load balancer (ELB) including high availability of ELB using various subnets in various availability zones, configured security settings and health check for application.
* Provided 24 x7 on-call supports in debugging and fixing issues related to Linux in Cloud Environment using Amazon Web Services (AWS).

**Environment:** Linux, AWS (EC2, VPC, ELB, S3, RDS, Cloud Trail and Route 53), Git, Docker, Cloud watch, Cloud Formation, AWS CLI, AWS Auto Scaling, Chef, Python, MySQL, Shell Scripting, Jenkins, MongoDB, Tomcat.

**Client: Verizon Jan 15– May 16**

**Spring Valley, NY**

**Role: DevOps Consultant**

**Responsibilities**:

* Implemented and developed solutions enabling Development and Operations teams to build, deploy, monitor and test applications and environments.
* Worked with GIT, Proposed and implemented branching strategy suitable for agile.
* Involved in administrating GIT server and continuous Integration system like Jenkins and handled escalations from developers across the globe.
* Automated AWS infrastructure via Chef, Docker, and Jenkins and managed software and services configuration via Chef cookbook development on Docker containers.
* Automated the process of deployment to Apache Tomcat Application Servers by developing Python Scripts.
* Defined dependencies and plugin in Maven pom.xml for various activities and integrated Maven with GIT to manage and deploy project related tags.
* Virtualized the servers using the Dockers for the test environments and dev-environment needs and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Implemented the Chef Software setup and configuration on VM's from the scratch and deployed the run-list into chef-server and bootstrapped the Chef clients remotely.
* Configured Nagios to monitor EC2 Linux instances with Chef automation and deployed Solarwinds for network monitoring and analysis and later used CloudWatch.
* Container management using Docker by writing Docker files and set up the automated build on Docker HUB and installed and configured Kubernetes.
* Managed Kubernetes charts using Helm. Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managedreleases of Helm packages.
* Configured Amazon Route 53 Traffic Flow to manage traffic globally through Latency Based Routing, Geo DNS, Geoproximity, and Weighted Round Robin all of which combined with DNS Failover inorderto enable a variety of low-latency, fault-tolerant HA architectures.
* Automated Deployment of Java based applications into Tomcat server using Chef and Jenkins.
* Built and Deployed Java/J2EE applications on JBoss application server in an Agile continuous integration environment and automated the whole process.
* Created automation and deployment templates for relational and NoSQL databases MySQL in AWS.

**Environment:** Git, Jenkins, Java/J2EE, JBoss, Maven, Apache Tomcat, Docker, Kubernetes, Nagios, AWS EC2, Route53, Chef, Cloud Formation, VPC.

**Client: Covance Inc Dec 13 - Dec 14**

**Princeton, NJ**

**Role:Build/Release Engineer**

**Responsibilities:**

* Worked as a part of Clinical Research project team that involved different drug manufacturing customers to survey, test and automate the process of multiple simultaneous artifact releases.
* Implemented the SCM Best Practices by allowing Eachand Every Individual Developer use their own Workspace.
* Managed central repositories and implemented Bitbucket along with GIT to host GIT central repositories for source code across products, facilitate code reviews and login audits for Security Compliance.
* Wrote Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of AWS Nodes and Test Playbooks on AWS instances using Python.
* Developed Python and Perl scripts for environment builds and to automate deployment on WebSphere and WebLogic Application Servers.
* Wrote Git functions in python for AWS Lambda which invokes python scripts to perform various transformations and analytics on large data sets in EMR clusters.
* Backed up and restored configurations and data of various tools (Jenkins, Git), databases (oracle and PostgreSQL) and servers (Windows and Linux) as required.
* Automated various infrastructure activities like Continuous Deployment, Application Server setup, Stack monitoring using Ansible playbooks and has Integrated Ansible with Jenkins.
* Implemented Infrastructure automation through Ansible for auto provisioning, code deployments, software installation and configuration updates.
* Implemented the use of Nagios tool for monitoring and analyzing the network loads on the machines.
* Worked with application infrastructure architects to establish the physical environments to effectively perform the software builds and deployments with an emphasis on quality, integrity, and security.
* Migrated Java/J2EE and .NET applications to UNIX and Windows environments by configuring application via Eclipse and Subversion.
* Solved complex build/deployment processes throughout all phases of the SDLC Ensured that all parties have accepted the release.

**Environment:** Couchbase, Bitbucket, Ansible, Jenkins, PostgreSQL, .Net, Git, AWS Lambda, Python, Nagios, Weblogic, Websphere.

**Client: Cadence Design Systems May 11 - July 13**

**Bangalore, India**

**Role: Build/Release Engineer**

**Responsibilities:**

* Integrated JIRA and Subversion using Pre-commit hooks to ensure the process is followed and automated JIRA tasks using JIRA CLI.
* Connected continuous integration system with GIT version control repository and continually build as the check-in's come from the developer.
* Created Maven POMs to automate the build process for the new projects and integrated them with third party tools like Sonar, Nexus.
* Developed build and deployment scripts using ANT/Maven as build tools and Jenkins as automation tool to move from one environment to other environments.
* Implemented Puppet modules for Deployment on build on internal Data Centre Servers and re-used and modified same Puppet modules to create a Deployment directly into Amazon EC2 instances.
* Setup and build AWS infrastructure various resources, VPC, EC2, S3, IAM, EBS, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates.
* Collaborated AWS infrastructure via Jenkins - software and services configuration via Puppet modules.
* Integrated Eclipse with Selenium Server for doing the automated Smoke testing of the application standalone URL's related to deployed package after the build and deployment process.
* Involved in assisting QA team in Load and Integration testing of Java/J2EE applications on WebLogic/JBoss Application Servers.
* Worked on testing, evaluation and troubleshooting of MongoDB and Cassandra NoSQL database.
* Worked on Troubleshooting and performance tuning issues with applications like Oracle, JBoss, WebLogic.

**Environment:** JIRA, Cassandra, MongoDB, Puppet, Jenkins, Sonar, Nexus, Maven, VPC, EC2, EBS, Auto Scaling, JSON, .Net, Subversion, Selenium, Weblogic, Websphere, NoSQL.

**Client: Apps Associates Aug 09– Mar 11**

**Hyderabad, India**

**Role: Linux Administrator**

**Responsibilities:**

* Building, Installing, Configuring servers from scratch with OS of RedHat Linux.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, and MySQL databases in both development and production.
* Deployed latest patches for, Linux and Application servers, Performed Red Hat Linux Kernel Tuning.
* Implemented and configured network services such as HTTP, DHCP, and TFTP.
* Install and configure DHCP, DNS (BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, POP3), and file servers on Linux servers.
* Wrote Bash shell-scripts to automate routine activities.
* Migrated database applications from Windows 2000 Server to Linux server.
* Worked on Linux kernel, memory upgrades and swaps area. Red hat Linux Kickstart Installation.
* Created users, manage user permissions, maintain User & File System quota on Redhat Linux.
* Diagnosed hardware and software problems and provided solution to them.

**Environment:** Linux, UNIX, Application Server, HTTP, DHCP, TFTP, SQL, Apache Http