

AWS And DevOps Engineer

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Be the key person in creative environment to utilize and refine my personal skills and abilities in the Modern Technology that offers Professional growth while being resourceful, innovative and challengeable.

Summary:

- IT Professional with 4.5+ years' Experience in Software Development Skilled at Operating in a wide range of Platforms like DevOps, AWS and Linux. Having experience in DevOps/AWS Software Configuration Management which includes Build Automation, Continuous Integration, Continuous Deployment, and Continuous monitoring using Automation Tools.

Professional Summary:

- Setup /Managing Linux and windows servers on Amazon Cloud (**EC2, VPC, ELB, IAM, S3, AMI, Security Groups, Cloud Watch**).
- Expertise in DevOps, Configuration Management, Cloud Infrastructure, Automation it includes **Amazon Web Service (AWS), Jenkins, Git, Maven** etc.
- Setting up databases in AWS using RDS, storage using S3 buckets and configuring instance backup to S3 bucket.
- Creating **Snapshots** and **Amazon machine images (AMIs)** of the instances for backup and creating **clone instances**.
- Experience in Containerization tool like **Docker**.
- Knowledge on Containerization tool like **Kubernetes**.
- Installed and setup Nagios server monitoring tools.
- Experience in **branching, tagging** and **maintaining** the version across the environments working on Software Configuration Management (**SCM**) tools like **Subversion (SVN) and GIT**.
- Utilized **Cloud Watch** to monitor resources such as **EC2, Amazon RDS services, EBS** volumes, to set alarms for notification or automated actions and to monitor logs for a better understanding and operation of the system.
- Good Experience in **Server Configurations** and **Installations** and **Modifications**.
- Installed and maintained the GIT repositories.
- Trained development teams on GIT usage and best practices.
- Excellent working knowledge on various virtual systems like Docker, Virtual box technologies
- Administering Jenkins and secured Jenkins with role-based access controls and matrix based project access.
- Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.

Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery processes & tools [Example: Git, SVN , Ant, Maven, Jenkins, Apache Tomcat, Shell Scripting etc.]

- Worked on web servers like Apache and application servers like Tomcat to deploy code.
- Excellent analytical, coordination, and communication skills.
- Written manifests/Recipes and customize the Ansible as per our environment.
- Performed infra-automation tasks using Configuration management software like Ansible, Puppet.
- Manage the configurations of multiple servers using Ansible.
- Integrated the Ansible playbooks with Jenkins.
- Having good exposure in Jenkins for CI (Continuous Integration).
- Deploy Jenkins to completely provision and manage AWS EC2 instances, EBS volumes, etc.
- Managing a team of DevOps engineer for infrastructure support on AWS cloud. Creating Cloud Formation templates for hosting software on AWS cloud.
- Installing all Linux flavors OS, Configuring and binding system with domain.
- Disk Management, partitioning tools like fdisk, sfdisk etc.

Educational Details:

- B.E from Sri Siddhartha institute of technology- Tumkur (6.75CGPA)-2016

Professional Experience:

- Working as an **Aws and DevOps** Engineer for **IBM** , Bangalore from JULY-2018 to till date.

Technical Skills:

Version Control Tools	Git, GitHub, Subversion
Build Tools	Ant, Maven
Continuous Integration	Jenkins
Containerization	Docker, Kubernetes
Configuration Management	Ansible
Scripting Languages	Shell Scripting ,python,bash
Operating System	Linux, RHEL, Ubuntu &CentOS, Windows
Cloud Technologies	Amazon Web Services, AWS-CLI, Azure
Monitoring	Nagios
Ticketing Tool	JIRA
Infrastructure as a code	Terraform

PROJECTS:**AWS and DEVOPS Engineer at IBM (July-2018 to till date)**

Client: CBA (common Bank of Australia)

Role: AWS and DEVOPS Engineer.

Description: Project is about maintaining ecommerce website of Sears 24/7. As major part of Sears business is based on Ecommerce site should be available all the time. Our team job is to build and release code for deployment on appropriate servers to Deployment team. Site will be developed in 4 stages- Integration stage, testing (QA) stage, staging (advanced testing) stage and production.

Roles and Responsibilities:

- Hands on experience in Amazon Web Services (AWS) provisioning and good knowledge of AWS services like EC2, Elastic Load-balancers, S3, Elastic Beanstalk, Cloud Front, Elastic File system, RDS, Dynamo DB, DMS, VPC, Route53, Cloud Watch, Cloud Trail, Cloud Formation, IAM, Elastic Search
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and configuring launched instances with respect to specific applications.
- Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
- Working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
- Configuring and Networking of Virtual Private Cloud (VPC).
- Develop Cloud Formation scripts to automate EC2 instances.
- Created Cloud Formation templates and deployed AWS resources using it.
- Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
- Used AWS SDK to write scripts for EC2, load balancing, auto scaling services
- Implemented AWS EC2, IAM, S3, EBS, Elastic Load balancer (ELB), Auto scaling groups' services.
- Created alarms and notifications for EC2 instances using Cloud Watch.
- Installed and configured Nagios monitor tool performance on all nodes
- Creating Cloud Watch alerts for instances and using them in Auto-scaling launch configurations.
- Hands-on in writing the Docker files for building images.
- Containerizing applications with Docker
- Responsible for managing the Docker private registry.
- Participate in building the DevOps Platform with DevOps tools and high-end scripting languages like Puppet.
- Developing build and deployment pipelines using Jenkins, Maven, ANT for Java applications

- Strong working knowledge on GIT, SVN.
- Created scripts in Python to automate log rotation of multiple logs from web servers.
- Experience in build management and continuous integration tools. (Jenkins)
- Designed and built cloud service models including Infrastructure-as-Ansible as per our environment.
- Performed infra-automation tasks using Configuration management software like Ansible.
- Manage the configurations of multiple servers using Ansible.
- Integrated the Ansible playbooks with Jenkins.
- Having good exposure in Jenkins for CI (Continuous Integration).
- Administered version control system that included branching and merging • Responsible for creating and developing the build process environment
- Maintained and upgraded Jira ticketing tool.