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**AWS & DevOps Engineer**

**Career objective:**

To work in a challenging position in a company, where I can put the skills in me to the best of my abilities and contribute towards the company's growth**.** To be a successful and inspiring team member through my commitment, hard work and adaptability to changes.

# Professional Summary:

* Having 4+ years of Experience in the Software Development Skilled at Operating in a wide range of Platforms like DevOps, AWS andLinux.
* Experienced in working on **DevOps** operations process andtools.
* In-depth understanding of the principles and best practices of Software Configuration Management**(SCM)**processes,whichincludecompiling,packaging,deployingandapplication configurations.
* Extensively worked with Version Control Systems like**GIT.**
* Extensively worked with automation tools like **Jenkins** to implement the end-to-end automation.
* Experience in integrating **Unit Tests** and Code Quality Analysis Tools like**SonarQube.**
* **Administration** and creation of Individual **Jenkins** jobs, including automatic generation, reporting and alerting of build failures and build statusindicators.
* Administered and Implemented CI tool **Jenkins** for automatedbuilds.
* Experience with **Linux/Unix environments** and **scripting** for Build & Releaseautomation
* Good Experience in **Docker** like creating **Docker Images** and **DockerContainers.**
* Expert in configuring and maintaining Amazon Web Services which include services like Amazon **EC2**, **ELB**, **EBS**, **Auto-Scaling, S3, Route53, IAM, VPC, RDS, Cloud Trail, Cloud Watch, Elastic Cache, SNS, SQS, Cloud Formation, CloudFront, ECS, ECR, Lambda, SAM, API Gateway, Cloud map, Code Deploy** and**Cognito**.
* Good hands-on experience in **Shell & PythonScripting**.
* Having good experience on Installing and configuring Devopstools.
* Ability to work closely with teams, to ensure high quality and timely delivery of builds and releases.
* Strong ability to troubleshoot any issues generated while building, deploying in production support.
* Well versed with deploying/configuring/tuning Enterprise Applications in**Apache2**.
* Hands-onExperienceindesigningandImplementingtheSecurableandRobustArchitecture.
* Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery.
* Experience in Configuring **Network level**, **API Level Security using VPC**, **Cognito** and **API Gateway**.
* Experience in Configuring the **Elasticsearch** and **Logstash**.
* Hands-on Experience on Implementing **Blue Green Deployment** for Production Environment Backend Applications.
* Installed and Configured Service Discovery using **Route53** and **Cloud map**.
* Experience in Creation Serverless Application Models (**SAM**) using **CloudFormation**.
* Hands on experience on provisioning the infrastructure using **Terraform** and

### CloudFormation.

**Professional Experience:**

* Working as DevOps Engineer in **IBM** from Sep 2016 to till date.

# Educational Qualifications:

* Bachelor of Technology from Gitam University,2016.

Technical Skills:

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| --- | --- |
| **Operating Systems** | Linux, Windows |
| **Version Control Tools** | GIT |
| **Scripting Languages** | Shell Script, Groovy Script |
| **Build Tools** | Maven |
| **Cloud** | EC2, S3, VPC, Subnet, ELB, EBS, ECS, ECR, API Gateway, Cognito,  Code Deploy, CloudWatch, CloudFormation, Route53, CloudFront, Autoscaling, Lambda, SAM. |
| **Continuous Integration** | Jenkins, CircleCI, Code Pipeline |
| **Code Quality** | SonarQube |
| **Containerization** | Docker |
| **Monitoring Tools** | Grafana, Prometheus, Advisor, ELK |
| **Container Orchestration** | Elastic Container Service |
| **Infrastructure as a Code** | Terraform, CloudFormation |
| **Others** | Blue Green Deployment, Service Discovery |

## Project#1

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| **Client** | IBM |
| **Role** | DevOps engineer |
| **Environment** | GIT, Jenkins, SonarQube, Apache2, AWS, Terraform, Shell |

## Roles and Responsibilities:

* + Managed continuous delivery systems and methodologies on AWS stacks (IAM, VPC,EC2,

Security Groups, Route53, ELB, Auto-scaling, S3, Cloud Watch, CloudTrail, CloudFront, Lambda, Elastic search, SNS, SQS, ECS).

* + Analyze and resolve conflicts related to merging of source code forGIT.
  + Installed Jenkins/Plugins for GIT Repository, setup SCM Polling for immediate build with Maven andJenkins.
  + Maintained and provisioned EC2 instances, VPC, EBS, and IAM.Configure AWS VPCwith

public and private subnets, configured Routing tables, Internet gateway, and Security groups.

* + Implemented automated local user provisioning instances created inAWS.
  + Experience working on Docker components like Docker Engine and DockerHub.
  + Worked on creating Docker images and handling multiple images primarily for middleware installations and domainconfigurations.
  + Hands on experience on Container Orchestration toolECS.
  + Created load balancers (ELB) and used Route53 with failover and latency options for high availability and faulttolerance.
  + Implementsystemsthatarefocusedonhigh-availability,auto-scaling,faulttolerantandself- healing services on the AWSplatform.
  + Monitoredsystemperformance,logs,andstatisticslikestorage,CPUutilizationandnetwork bandwidth utilization using CloudWatch/Trail,Grafana.
  + EstimatingAWSusagecostsandidentifyingoperationalcostcontrolmechanismsand

implementing cost control strategies using AWS Monthly Calculator.

* + Setup specific IAM user profiles per group utilizing newly released APIs for controlling resources within AWS based on group or user with MFAAuthentication.
  + Hands-on experience on Service landscape diagrams, Service descriptions, Low leveldesign

, networkflowdiagrams,dataflowdiagramsbuildandprovisionserversautomationJenkins/ Maven for Build and Releasedeployment

* + Hands on basic Docker to manage and utilizeECR.
  + Experience in attaching new volumes to existing EC2instances.
  + Increasing EBS backed volume storage capacity when the root volume is full using AWS EBS Volumefeature.
  + By designing and implementing Docker workflow, it reduces built and deploymenttimes
  + Releasing code to testing regions or staging areas according to the schedulepublished.
  + Hands on experience in installing and administering CI tools likeJenkins.
  + Migrated heavy and frequently used applications to DockerContainers.
  + Migrated infrequently used applications toSAM.
  + Monitoring & regularly taking backup of the serverdata.
  + Automation of Jobs throughCrontab.
  + Configured Jenkins CI tool for project and setup NightlyBuilds.
  + Automated the code deployment process in each environment (development, QA, Staging, Production).
  + Installation, Configuration and Administration of Jenkins over UNIX and LINUXbuild

machines in distributed mode over Apache Tomcat and configured jobs along with various plug-in for Continuous Integration, Release Builds for AGILE and Production Branches.

* + Accomplished in tool automation using Shellscripting.
  + Participated in Bug review meetings and released the builds to pre-production and productionservers.
  + Responsible for the deployment on Linux for Dev/ QA, staging, productionenvironment.
  + Preparing the build statistics and produce to the managementteam.
  + Monitoring the Servers and Docker containers with various tools such as Grafana, Prometheus,advisor.
  + Automated the creation of AMI’s for Production servers using shellscript.
  + ImplementedBlueGreenDeploymentforDockerbasedApplicationsusingJenkinsandCode Deploy.
  + Release Engineer for a team that involved different development teams and multiple simultaneous softwarereleases.
  + Developed and implemented Software Release Management strategies for various applications according to the Agileprocess.
  + Maintaining the source code in GIT for variousapplications.
  + Administered merge, build and deployment of the codes to all theenvironments.
  + Responsible for creating the branches and tagging thecode.
  + Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all theprojects.
  + Jenkins is used as a Continuous Integration tool for automation of dailyprocesses.
  + Involved in the release process and deployed applications (WAR and JAR) to theTomcat.
  + Automated the creation of AMI’s for Production servers using shellscript.
  + Manage Amazon instances by taking AMIs and performadministration.
  + Uses scripting languages like Bash and web servers likeApache.
  + Created custom sized VPC, subnets to ensure successful deployment of Web applications and databasetemplates.
  + Expert in deploying the code through application servers likeApache2.
  + Virtualized the servers on AWS using Docker, created the Docker files and versioncontrol.
  + Good Experience on creating the user pools using AWSCognito.
  + Hands on Experience on creating and managing the api’s through APIGateway.
  + Experience in architecting and managing AWS cloudinfrastructure.

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