DurgaPrasad

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Aws&DevOpsEngineer

CareerSUMMARY.

Having 6 years of experience in **DevOps Engineer, AWS cloud computing** operations as a at 24x7 support environment,and automation expertise

To engineer and deliver best-fit products catering to client requirements and to main sustainable environments in the cloud computing space.

PROFFESIONALEXPERIENCE.

➢ Previously worked for **HCL InfoTech** as a Linux System and AWS Administrator from April 2016 to September 2020

➢ Previously worked for **Foray software pvt Ltd** as a Senior AWS Administrator and Devops engineer from September 2020 to February 2022

➢ Currently working in **TCS** as a AWS DevOps engineer from February 2022 to December 2022.

Professional Summary.

➢ Designed and Developed a multitude applications utilizing almost all of the AWS stack (Including EC2 VPC,Route53, S3, RDS,ELB, ECS, SNS, SQS, IAM, Cloud Front, Cloud Trail cloud SDK) focusing on high availability, fault tolerance, and auto-scaling.

➢ Developed and implemented software release management strategies for various applications as per agile process.

➢ Proficient in writing Cloud Formation Templates (CFT) in YAML and JSON format to build the AWSservice with the paradigm of Infrastructure as a Code.

➢ Gained experience in deploying applications on to their respective environments using Elastic Beanstalk.

➢ Created Private Subnets on different VPCs' to ensure high level of security to Database servers and Application Servers.

➢ Worked on various operating systems like Linux, RHEL, Ubuntu, Windows.

➢ Experience in AWS –platform as a service (paas) and infrastructure as a code(iaas).

➢ Created users and groups using IAM service and assigned individual policies to each group.

➢ Created load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.

➢ Experience with monitoring tools such as Cloud Watch, New relic.

➢ Experience in maintaining and executing Build scripts to automate development and production builds

➢ Experience with Linux/UNIX environments and scripting for Build & Release automation.

➢ Experienced in implementing Organization DevOps strategy in various operating environments of Linux and windows servers along with cloud strategies of Amazon Web Services.

➢ Created Database backups, Logs of all the servers using Cloud Trail and stored the same to S3 buckets.

➢ Experienced in version control and source code management tools like GIT, SVN.

➢ Experienced with installation of AWS CLI to control various AWS services through SHELL/BASH scripting.

➢ Worked on cloud-based servers like **AWS**, **AZURE** and Rackspace.

➢ Proficient with container systems like **Docker** and container orchestration like **EC2 Container Service**, **Kubernetes**, worked with **Terraform.**

➢ Managed **Docker orchestration and Docker containerization** using **Kubernetes.**

➢ Used **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers

- ➢ Experienced in version control and source code management tools like GIT, SVN, and Bit bucket, Bamboo
- ➢ Using monitoring tools to find problems, resolve and/or escalate to support and application development and ensure that we exceed our service levels
- ➢ Acquired practical exposure with Continuous Integration/Continuous Delivery tools like Jenkins, to merge development with testing through pipelines.
- ➢ Having6+Yearsofexperienceon**LinuxSystemAdministrator**andhandledthefollowingactivities.
- ➢ Experience in **Installing**, **upgrading** and **configuring** RedHatLinux6.x,7.x,8.x,Ubuntu,suse,centos.
- ➢ Working on performance issues like CPU&Memory utilization and Swap Memory utilization.
- ➢ Troubleshooting of various services down and performance slowissues.
- ➢ Having knowledge on **Booting process** in LinuxSystem.
- ➢ ExperienceinCreationandmanaging **user&groupadministration.**
- ➢ Coding & scripting skills in python.
- ➢ Understanding of front-end technologies (JavaScript, HTML5, CSS3)

TECHNICALSKILLS.

Technicallyastute,keepsabreastofthetechnologytrendstodeliverinnovativeandflexiblesolutionstomeetchangingbusiness/customerneedsin theever-evolvingITindustry.Keyskillsinclude.

Environment	: AWS Services, Docker, K8s
Web Servers	: Apache Tomcat, IIS
Databases	: MYSQL, Dynamo dB
Operating Systems	: Linux RHEL,, Windows 2012 R2
Windows Applications	: MS Office Suite 2003/2007
Version Tools	: GIT, SVN
CI/CD Tools	: Jenkins, Bamboo
Orchestrations	: Docker, kubernetes
Configuration tools	: Ansibe,chef
Monitoring tools	: Cloud wath, Newrelic, Data Dog
VMware	:VMware ESXi 6.0,6.5

Project#4:Tronox
Role:DevOpsengineer
Environment:AWS,RHEL,Git,Jenkins,Maven,Docker,Ansible,
Tomcat,andKubernetes.Duration:Feb2022totilldate.

Responsibilities:
- ➢ ConfiguringAWSservices likeVPC,EC2,Autoscaling,AMI,EBS,ELB,Cloud watch,RDSandS3
- ➢ ExperienceontoolslikeAnsible,Jenkins,Docker,Kubernetes,Maven,Git,GitHubandTerraform.
- ➢ ExperiencewithenvironmentprovisioningandorchestrationDeployedAWSserverslikeLinux.
- ➢ In-depth knowledge of GIT and GitHub hence created repositories, branches and providing\accesspermissionstothedevelopers overbranches.
- ➢ ConfiguredandmaintainedJenkinstoimplementtheCIprocessandintegratedthetoolwithMaventoscheduletthebuilds.

- CreatedJobsforBuildsandDeployments,installedseveralpluginsinJenkinstosupportmultiplebuil decosystems requiredfortheimplementationofprojects.
- ExperiencedinusingmonitoringtoolslikeCloudWatch.

- ManagedenvironmentsDEV,UATandPROD forvariousreleasesinLinux/Unix.
- SteeredeffortstowardsCI/CDpipelineimplementationfordiverserange ofapplicationsaswellasadministeringautomation
- Coding & scripting skills in python.

- Understanding of front-end technologies (JavaScript, HTML5, CSS3)

Project#3:Office-Depot
Role:DevOpsengineer
Environment:AWS,RHEL,Git,Jenkins,Maven,Docker,Ansible,Terraform,Tomcat,andKubernetes.Duration:Sep 2020 to Feb 2022

Responsibilities:
- Implemented AWS solutions using VPC, EC2, S3, RDS, IAM, Elastic Load Balancer, Auto-scaling,Securitygroups andcloudwatch, Lambda.
- CreatingvariousalarmsinAWStohavecontinuousmonitoringofresourcesandbillinginAWS.
- DesignedhighavailabilityenvironmentforApplicationserversanddatabaseserversonEC2byusingELB andAuto-scaling.
- Installing,configuringandadministeringJenkinsCICDtool.CreatingCI/CDpipelinesbyintegratingGit ,GitHub, Jenkins, andAnsible.
- Handsonexperience inprovisioning,orchestration,packages,services,configurationanddeploymentusing Ansible.
- ExtensivelyWorkedonAnsibleandwrittenplaybooksforautomationchangeconfiguration,pr ovisioning,application deployments,services andpackages onOn-siteservers.
- ManagedserversontheAWS platforminstancesusingTerraform.
- Usingdocker,Ihavewrittenthe customizedDockerfileformyapplicationandbuildingthedockerimages and storing it in Docker Hub registry then running the containers from that docker imagewheneverrequirements needed.
- Creatingadockernetworkandconnectingdockercontainerstothatparticularnetworkinterface,cre atingthedockervolumesandattachingcontainerstothatvolumes andbackinguptheLogs.
- ImplementedJenkinspipelinefordeployingmycustomizedDockercontainersintotheKubernetesclu ster.
- ImplementedJenkinsforContinuousIntegrationBuildsandNotificationsexclusiveforDevasaself-helpfeature.

Project#2: InfraSupportRole:**S ystemEngineer**
Environment:RHEL,Ubuntu,CentosD uration: Jan 2018 to Sep 2020
Responsibilities:
- ProvideL1andL2+RemoteAdministrationSupportforproblemsraisedonLinuxservers.

- Remoteadministrationthrough Putty, SSH.
- CreatedandmaintaineduseraccountsinRedHatEnterpriseLinux(RHEL)andotheroperatingSystems.
- InstalledandconfiguredDebianandUbuntufortestingtheapplications.
- Experience onfilesystemanddiskmanagement.
- Creatingandmanaginguseraccounts,groupsandaccesslevelsusingSUDO
- ConfiguringtheLVMsandaddingtheadditionaldiskspaceasandwhenrequired.
- Scheduling/ControllingofjobsusingCron.

Project#1:**Unilever**

Role:LinuxSystemAdministrator
Environment:RHEL,Ubuntu,Centos

Duration: April2016toDec2017

Responsibilities:

- Successfullymanaged400+serversofRedhat(6.x)Linux.
- Analyzedandtroubleshootsbottlenecks involvingMemory,CPUandSwapMemory.
- ServerDown AccessIssueslike serveris notpingable,HungandReachable
- Providing24x7supportstovariousapplicationlevelserverlevelmonitoringandtroubleshooting.
- Respondingtoalertsintimelyfashionasperthe pre-definedprioritylevelsandSLAs.
- Remote ServerAdministrationandTroubleshootinginLinux**.**

EducationalQualification

- State board of Secondary Education from Chaitanya high schoolChilakaluripet 2008
- State board of intermediate from Sri chaitanya collage Chilakaluripet in 2010
- B. Tech in Electronics and communication engineering from Sri Mittapalli college of engineering in 2014.