**MOHAMMED ILIYAS UDDIN**

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**PROFESSIONAL SUMMARY**

* **3.2 years** of professional experience in IT Industry as a **AWS Cloud Engineer** in the field of automation, software configuration management and cloud services.
* Tier 3 support and managing the services within AWS and global IT infrastructure.
* Creating resources using Terraform Stack
* Managing cloud resources by hosting Terraform code on Bitbucket
* Creating Dockerfiles to build the images for different environments.
* Version control and source code management using GIT, GITHUB.
* Experience on Kubernetes for Container orchestration
* Manage and configure AWS services as per the business needs (ELB, SNS, EC2, Route53, S3, RDS, CloudWatch, IAM, SNS, VPC, , SES,ETC)
* Implementation of CI/CD Pipeline Using: Jenkins, Ansible, Dockers, Git, Maven, Nexus in AWS Cloud.
* Experience In Building CI/CD Pipeline using Jenkins.
* Configured Jenkins Nodes to build jobs in order to distribute the load on Jenkins master and achieved parallel builds.
* Installation, configuration and maintenance of Linux Servers such as DHCP, DNS, FTP, NFS, SFTP, SAMBA, HTTPD, APACHE, Kerberos, and NTLM etc.
* Costing,Design,building and managing the infrastructure environments needed for the projects in the AWS hosting platform.
* Actively monitor, research and analyze ways in which the services in AWS can be improved.
* Maintain system availability as per multiple Service Level Agreements (SLA).
* Produce monthly reports activity where needed and explain any abnormal system performance.
* Provide on-call support as scheduled and also provide support to other on-call support people for critical incident where expertise help would be required.
* Provide support to the technical escalation from the team and Coordinate service calls and requests with team members where necessary.
* Coordinate and implement change records as a result of trouble tickets and 2nd 3rd level in-depth support for hardware and OS diagnostics.
* Managing Nagios, Cacti and Cloudwatch for monitor critical system health, performance, security, disk usage etc.

**TECHNICAL SKILLS:**

* Operating Systems : Redhat, CentOS, Ubuntu, Windows
* Linux Servers : DHCP, DNS, FTP, NFS, SFTP, .HTTPD, Apache2
* Cloud Technology : AWS
* Source control tools : Git, GitHub, Docker, Kubernetes, Ansible
* Build Management tool : Maven
* CI/CD tool : Jenkins
* Monitoring tool : New Relic , Cloud watch and Kibana
* Data Bases : My SQL, RDS, Dynamodb
* Programming Language : Python

**PROFESSIONAL EXPERIENCE**

* Working as a Devops Engineer with **Deltra Soft Technologies**, Hyderabad from oct-2018 to Till Now.
* Worked as a Software Engineer with Frontline Technologies,Hyderabad from June 2014 to sep 2018.

**ACADEMIC PROFILE**

* Bachelor of Computer science (B.sc (M.E.cs) from SSR Degree College, Osmania university-2011.

**PROJECTS**

**Project 1 # : UBS**

Duration **:** jan - 2020 to Till now

Team Size **:** 07

Role **:** AWS Cloud Engineer

**Roles and Responsibilities:**

* Management and Administration of AWS Services CLI , EC2 , VPC , S3 , ELB Glacier, Route 53 , Cloud trail , IAM , and Trusted Advisor services.
* Created automated pipelines in AWS Code Pipeline to deploy Docker containers in AWS ECS using services like CloudFormation , CodeBuild , CodeDeploy , S3 and puppet.
* Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE.
* Integrated services like GitHub , AWS Code Pipeline , Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.
* Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
* Deployed Puppet, Puppet dashboard for configuration management to existing infrastructure.
* Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
* Configured AWS Multi Factor Authentication in IAM to implement 2 step authentication of user's access using Google Authenticator and AWS Virtual MFA.
* Included security groups , network ACLs , Internet Gateways , and Elastic IP's to ensure a safe area for organization in AWS public cloud.
* Writing UNIX shell scripts to automate the jobs and scheduling cron jobs for job automation using commands with Crontab.
* Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling /naming conventions using GIT source control.
* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS.
* Work with other teams to help develop the Puppet infrastructure to conform to various requirements including security and compliance of managed servers.
* Built a VPC , established the site-to- site VPN connection between Data Center and AWS.
* Develop push-button automation for app teams for deployments in multiple environments like Dev, QA, and Production.
* Help with the creation of dev standards for Puppet module development including best practices for version control ( git ).
* Perform troubleshooting and monitoring of the Linux server on AWS using Zabbix , Nagios and Splunk.

**Project #2** : **AIA Group**

Duration : oct – 2018 to dec- 2019

Team Size : 05

Role : AWS Cloud Engineer

**Description:**

AIA Group Limited, known as AIA, is an American-founded Hong Kong multinational insurance and finance corporation. It is the largest public listed life insurance and securities group in Asia-Pacific. AIA recognises everyone has different needs at different stages of life. AIA is committed to helping you meet your financial needs and goals with a wide range ...

**Roles and Responsibilities:**

* Created AWS Multi-Factor Authentication (MFA) for instance RDP/SSH logon, worked with teams to lockdown security groups.
* Involved in complete SDLC life cycle - Designing, Coding, Testing, Debugging and Production Support.
* Installed/Configured/Managed Puppet Master/Agent. Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Up gradation or Migration of Puppet Community and Enterprise.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Branching, Merging, Release Activities on Version Control Tool GIT. Used GitHub as version control to store source code and implemented Git for branching and merging operations for Java Source Code.
* Created scripts in Python which integrated with Amazon API to control instance operations.
* Designed, built and coordinate an automated build & release CI/CD process using Gitlab, Jenkins and Puppet on hybrid IT infrastructure.
* Involved in designing and developing Amazon EC2, Amazon S3, Amazon RDS, Amazon Elastic Load Balancing, Amazon SWF, Amazon SQS, and other services of the AWS infrastructure.
* Running build jobs and integration tests on Jenkins Master/Slave configuration.
* Managed Servers on the Amazon Web Services (AWS) platform instances using Puppet configuration management.
* Involved in maintaining the reliability, availability, and performance of Amazon Elastic Compute Cloud (Amazon EC2) instances.
* Conduct systems design, feasibility and cost studies and recommend cost-effective cloud solutions such as Amazon Web Services (AWS).
* Responsible for monitoring the AWS resources using Cloud Watch and also application resources using Nagios.