AMIT KUMAR MAZUMDAR   **Email: amitmazumdar987@gmail.com**
DevOps/AWS Engineer   **Mobile: +91 9030523687, 9085503168**

Professional Summary:

- 4.6 years of experience in DevOps & AWS and Build & Release Management, Software Configuration activities and Deployment activities for software applications.
- Designed, configured and managed public/private cloud infrastructures utilizing Amazon Web Services (AWS) including EC2, Auto-Scaling in launching EC2 instances, Elastic Load Balancer, Elastic Beanstalk, S3, Glacier, RDS, VPC, Route53, Cloud Watch, IAM, Lambda, CloudFront, Route53, Lambda.
- Created roles, users, groups, adding user to the groups, attached customized policies to provide minimum access to the resources and customized JSON templates using AWS Identity Access Management (IAM).
- Experience in provisioning and administering EC2 instances and configuring EBS, S3- cross region replication, Elastic Load Balancer, configure Auto scaling, setting up CloudWatch alarms, Virtual Private Cloud (VPC), mapping with multi AZ VPC instances and RDS, based on architecture
- Involved in installation management, configuration management, maintenance, upgrade and backup of Linux Operating Systems like RHEL, CentOS, Ubuntu and windows.
- Experience in Migrating a production infrastructure into an Amazon Web Services utilizing AWS Cloud formation, Code Deploy, Code Commit, code build, code pipeline Chef, EBS.
- Involved heavily in setting up the CI/CD pipeline using Jenkins, Maven, Nexus, SVN, GitHub, Chef, Terraform and Docker as a containerization tool.
- Experience in various source code management activities using GIT involving branching, merging strategy, daily merges and remote repository.
- Experience in Continuous integration tools like Jenkins. Installing, configuring and administering Jenkins and AWS Devops.
- Configured Git with Jenkins and schedule jobs using POLL SCM option.
- Expertise in App Containerization technology like Docker which include creating Docker images, Containers, Docker Registry to store images, cloud-based registry Docker Hub, Docker Swarm to manage containers
- Running a PowerShell script to stop an application server and back up a database
- Experience in implementing configuration management tools such as Ansible.
- Designed end to end automation of infrastructure and continuous delivery of the applications by integrating cloud formation scripts, Terraform, Jenkins, AWS & Ansible playbooks.
- Administration experience in branching, tagging, develop, manage Pre-commit, Post-commit hook scripts and maintaining the versions across different Source Code Management (SCM) tools like GIT, Subversion (SVN) on Linux (Red Hat, CENTOS and Ubuntu) and Windows platform
- Monitored the servers & applications using AWS Cloud Watch and data dog
- Experience in configuration and managing Linux Virtual Machines under VMware.
- Experience working in Agile, Scrum SDLC with respect to Resource Planning, Functional and Technical Specifications, delivering Operations, Development, Testing, and maintenance.
- The activities include Ticket handling, Quality Assurance, Incident, problem and change management activities and daily monitoring.

TECHNICAL SKILLS:

Operating Systems	Linux(RHEL, UBUNTU, Centos), Windows,
Version Control Tools	SVN and GIT ,Github, Code Commit
Continuous Integration tools (CI/CD)	Jenkins, AWS Developer Tool
Build Tools	Maven, Code Build
Artefact management tools	JFrog
Configuration Management tools	Ansible
Bug/ Project Tracking Tools	Jira, Service Now, HP Service Manager
Code Review Tool	SonarQube
Containerization	Docker
Web Servers & Application Servers	Apache2.0/2.2/2.4, Apache Tomcat5.5/6.0/7.0, Nginix
Cloud Services	Amazon Web Services (AWS)
Monitoring Tool	Cloud watch, Datadog
IAAC Tool	Terraform, AWS Cloud Formation
Database	MYSQL ,Oracle 9i ,SQL Mongo DB
Programming	Shell, Bash

WORK EXPERIENCE:

Working as at TECH MAHINDRA LIMITED (client location), payroll company Florida Software solutions Pvt. Ltd [2018 March to Till Date].

Technical skills on DevOps, AWS and Linux:

- Good knowledge in automating build and deployment workflows using MAVEN, GIT and CI tool Jenkins.
- Extensive knowledge in creating new Jenkins build jobs, plug-in installation, setting up distributed builds using master and slave concepts, migrations, Backup, Test case integrations
- Configuring Docker containers and creating Docker files for different environments.
- Good Knowledge on Installing and configuring Ansible and developing playbooks for automating infrastructure and application deployment.
- Good hands on knowledge in creating GIT Branches, Tags and merging the source code between different branches.
- I have return playbooks for creative multiple file, users& directories using playbooks.
- Configured daily builds automated test cases in Jenkins.
- Daily activities including, delivering daily and nightly builds for the scrum teams, supporting SCM requests, maintaining code stability using CI methodologies, code merging, deployments and troubleshooting other day-to-day issues.
- Hands on experience with AWS Services including EC2s, S3 Bucket, VPC, Cloud watch and Availability Zones, Route53.

PROJECTS:

Client: International SOS
Role: DevOps / AWS Engineer

Responsibilities:

- Involved in migration of business from a physical data center environment to AWS and designed, built and deployed multitude applications utilizing almost all the AWS stack focusing on high-availability, fault tolerance, and auto-scaling with Cloud Watch monitoring.

- Worked on designing and deploying a multitude application utilizing almost all of the main services of the AWS stack (like EC2, S3, RDS, VPC, IAM, ELB, Cloud watch, Route 53 focused on high availability, fault tolerance environment.
- Created Cloud Formation Template for main services like EC2, EFS, VPC and S3 for reuse the current environment.
- Created network architecture on AWS VPC, subnets, Internet Gateway, Route Table and NAT Setup.
- Worked with IAM to manage the users and groups using IAM by assigning individual policies and roles to each users and group as per requirements.
- Orchestrated and migrated CI/CD processes using Cloud Formation, Terraform templates and Containerized the infrastructure using Docker setup in Vagrant, AWS and Amazon VPCs
- Implemented AWS S3 services like creating buckets, configuring buckets with permissions, logging, versioning, tagging & lifecycle policies to back the data from AWS S3 to AWS Glacier

Client: ATOM BANK
Role: DevOps / AWS Engineer

Responsibilities:

- Proficient in writing AWS Cloud Formation templates/Terraform to create custom sized VPC, subnets, NAT, EC2 instances, ELB's and Security groups.
- Storage on AWS EBS, S3 and Glacier and automate sync data to Glacier. Databases services on AWS like RDS, Dynamo DB and Aurora. Elastic Transcoder, Cloud front, Elastic Beanstalk. Migration of 2 instances from one region to another. Configuration of site- to- site VPN and open VPN using Linux EC2 instance
- Creating and Managing AWS Infra automation with Terraform.
- Worked on customization of existing Python scripts of some of the internal applications.
- Worked on writing multiple Python, Ruby and Shell scripts for various companywide tasks
- Performed all necessary GIT configuration support for different projects and Worked on branching, versioning, labeling, and merging strategies to maintain GIT repository, GIT Hub
- Used IAM to create new accounts, roles and groups and polices and developed critical modules like generating amazon resource numbers and integration points with S3, Dynamo DB, RDS, Lambda and SQS Queue.
- Wrote Terraform templates for AWS Infrastructure as a code to build staging, production environments & set up build & automations for Jenkins
- Hands on the experience in Terraform for building, changing, and versioning of Infrastructure and wrote Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
- Configured RDS instances using Cloud formations and Terraform.
- Experience in writing Infrastructure as a code (IaC) in Terraform, AWS Cloud formation. Created reusable Terraform modules in AWS cloud environment
- Used AWS Beanstalk for deploying and scaling web applications and services developed with Python, Ruby, and Docker on familiar servers such as Apache, and IIS
- Worked on Jenkins for continuous integration and for end to end automation for all build and deployments including setting up pipeline jobs and upstream/downstream job configurations in Jenkins.
- Created a best practice Build environment using Jenkins, immutable instances, and AWS
- Install & configure Apache Web server, Tomcat, Web logic Application servers to meet the business user's needs and requirements
- Worked on configuring the Apache Tomcat for Java applications deployment.

- Worked on Docked-Compose and Docker-Machine to create Docker containers for testing applications in the QA environment.
- Incident Management. Co-ordinate incidents requiring multi-vendor engagement, Drive effective and efficient Incident Management process to ensure timely service restoration and resolution of incidents
- Identify the underlying root cause of problems

Client: **Basix Sub-k I Transactions Limited**
Role: **Cloud Engineer**

Responsibilities:
- Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2
- Instances.
- Manage Route 53 DNS hosted zones configuring aliases for Elastic Load Balancer applications.
- Migrating their on-premises VM's to cloud EC2 by using Cloud endure tool
- Technical point of contact to plan, debug and navigate the operational challenges of cloud computing.
- Created Cloud Formation templates and deployed AWS resources using it.
- Configured S3 to host static web content, versioning, and lifecycle policies to and backup files and archive files in Glacier.
- Optimized volumes and EC2 instances & created multi-AZ-VPC instances& Used IAM to create new accounts, roles, and groups
- Create and implement automation for cloud platforms as well as monitoring and alerting purposes
- Prepare documentation for configuration and install procedures
- Analyze cloud infrastructure and recommend improvements for performance gains and cost efficiencies
- Cost optimization on entire Production account
- Enabled S3 Server logs to Another s3 bucket for monitoring purpose
- Implementation and monitoring and maintain of the entire aws production account.

Academic Qualification:

Degree	School/college	Board/University	Marks (%)
B.E.	Guru Nanak Dev Engineering College	Visvesvaraya Technological University	66
H.S.C	Aryabhatta Junior Science College	Assam Higher Secondary Education Council	57
S.S.C	Novodaya Jatiya Vidyalaya	Secondary Education Board of Assam	62

Declaration:

I hereby declare that given above information are true and correct to the best of my knowledge.

DATE:
PLACE: Hyderabad   **Amit Mazumdar**