

DAIVAGNI MADANAPALLY

AWS CLOUD DEVELOPER

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CAREER OBJECTIVE : Seeking a Career in an Environment where I can Share and Enrich my Knowledge towards growth of the organization through uncompromising Hard work and Commitment.



PROFESSIONAL SUMMARY

- Possessing **3+ Years** of **Experience** as an **AWS Cloud Engineer**, Specialized in **Multiple Services** of **AWS, Azure and Oracle**.
- Possessing Hands on Exposure on **AWS Services** like **EC2, AWS Lambda, S3, EFS, S3 Glacier, VPC, VPN, Subnets, Route Tables, NAT Gateways, ELB, Systems Manager (SSM), SES, SNS, Auto Scaling, IAM, KMS, Cloud Formation, SQS, Cloud Watch, Cloud Trail, WAF, Shield, Trusted Advisor, Guard Duty, AWS Config, Inspector, Direct Connect, Kinesis, AWS Cognito, AWS Quick Sight, AWS Organizations, AWS-CLI, Elastic Beanstalk, RDS, Route 53**.
- Possessing Hands on Exposure on **Azure Services** like **Virtual Machines, Virtual Networks, VNG, LNG, Load Balancers, Storage Accounts, Storage Explorer, Disks, Notification Hubs, Key Vaults, Automation Accounts, Policy Definitions, RunBooks, SQL Managed Instances**.
- Possessing Hands on Exposure on **Oracle Services** like **Instance Configurations, Instance Pools, Block Volumes, Block Volume Backups, Virtual Cloud Networks, Security Lists, DRG, CGE, NSG, ELB**.
- Possessing Hands on Exposure on **Python Scripting** and **JSON**.
- Possessing Knowledge on **AWS Aurora, Dynamo DB, Redshift, Snowball, Cloud Front, API Gateway, Amazon WorkSpaces, AWS Polly**.
- Possessing Hands on Exposure on **Microsoft Defender Antivirus** and **Mcafee**.
- Possessing Hands on Exposure on **SFTP Tools, Check MK Monitoring Agent, MacAfee, Microsoft Defender (MDE) Antivirus**.

AUTOMATIONS (AWS and AZURE) :

- **Automated** the Process of **Extracting AWS EC2 Inventory** with all the Details triggered into **S3 Bucket** using **Python Script** with **AWS Lambda, S3, CloudWatch** and **IAM Role**.
- **Automated** the Process of Creating the Infrastructure Environment of **VPC, Internet Gateway, Route Tables, Subnets, EC2 Instances, Security Groups** using **Cloud Formation**.
- **Automated** the Process of getting an **Alert** via **SNS** to respective **Mail** or **SMS** and **Automatically Rebooting the Instance** whenever the **Instance** is in **1/2 Status Checks** or in **Stopped State** using **Python Script** with **AWS Lambda, SNS, CloudWatch** and **IAM Role**.

- **Automated** the Process of **Removing** the **Internet Access** for the **Restricted Ports** in the **Security Groups** using **AWS Config** in **AWS** and Worked on **Azure Deny Policy** in **Azure**.
- **Automated** the Process of **OS Patching** of the **Servers** using **AWS Systems Manager (SSM)** in **AWS** and **Automation Runbooks** for **Update Management** in **Azure**.
- **Automated** to **Integrate AWS S3** with **AWS QuickSight** and **Power BI** to Create **Billing Dashboards** and **Patch Dashboards**.
- **Automated** the Process of **Starting** and **Stopping** the **EC2 Instances** at the **Specified Time** using **Lambda Function**.



WORK HISTORY

AWS CLOUD DEVELOPER:

CITCO, Hyderabad (JUNE 2022 to PRESENT)

ROLES AND RESPONSIBILITIES :

- Provisioning, Configuring and Maintaining **AWS Cloud Infrastructure** defined as a **Code** using **AWS CloudFormation**.
- Worked on **CodeCommit, CodeBuild, CodePipeline** and **CloudFormation**.
- Managing and Automating the Deployment of Applications and services on **AWS** such as setting up and configuring **Cloud Infrastructure, Automating the Deployment Process**, and monitoring the health of Applications and Services.
- Implementing and Maintaining **Continuous Integration** and **Continuous Delivery (CI/CD) Pipelines** such as setting up and Configuring Build and release Pipelines, Automating Testing and **Deployment**, and Monitoring the health of the Pipelines.
- Managing to Create the **Cloud Infrastructure** for multiple Applications and making the changes required using **CI/CD**.
- Worked on setting up **CloudFormation Stacks** to set up the **Pipelines** and **Cloud Infrastructure** using **YAML Code**.
- Worked on multiple **GIT Commands** for **CodeCommit Repositories**.

CLOUD OPERATIONS ENGINEER:

RAMCO SYSTEMS, Chennai (DEC 2020 to JUNE 2022)

ROLES AND RESPONSIBILITIES IN AWS :

- Provisioned the Complete Setup of **Infrastructure** in **AWS** as per the requirement of the Customer and Projects.
- Created **VPCs, Subnets, Internet Gateway, NAT Gateway, Route Tables, NACLs, EC2 Instances, Elastic Load Balancers, Security Groups** and associated **Elastic IP Address** to the **Instances** and Worked on **AWS Config, Guard Duty, Trusted Advisor, WAF** and **Shield**.
- Established **VPN Tunnels** with **Virtual Private Gateways** and **Customer Gateways** and Implemented **Direct Connect** from Cloud to **On-Premise Data Centre** to Secure the Data and Created **Peering Connections** for multiple AWS Accounts using **VPC Peering**.

- Worked on **Compute** like **Attaching Volumes, Detaching Volumes, Creating Volumes, Modifying Volumes**, Creating **Snapshots** in **Multiple Regions** and **Accounts** of **AWS** and Worked on **AWS Systems Manager** for **Automation** to **Patch** the **Operating Systems**.
- Worked on **Athena** to **extract** the **Data** from **Cost Explorer** using **SQL Queries** and used **AWS Quicksight** to create Service Level and Account Level **Billing Dashboards**, **Patch Management Dashboards** and Worked on Implementing **CUDOS Dashboard** in **Quicksight**.
- Worked on **Lambda** and **Automated EC2 Status Checks Alarms** using **Cloud Watch**.
- Provisioned **Multiple EC2 Instances** using **Cloud Formation Stacks**.
- Worked on Creating the **Image (AMI)** of the **EC2** from one Account to another Account.
- Worked on Creating **Life Cycle Policies** for the **Production Environment** and Worked on **AWS Cost Explorer** and **AWS Budgets** for **Billing**.
- Worked on **AWS Config** to **restrict the Specified Ports** for the **Security Groups** and **Automated** the **remediation rule** for **Security Purpose**.

ROLES AND RESPONSIBILITIES IN AZURE :

- Worked on **Virtual Machines, Virtual Networks, Local Network Gateway, Virtual Network Gateway, Storage Accounts, Network Security Groups**.
- Worked on **Automation Accounts** and **Workbooks** to Schedule the **Auto Start/Stop** of the **VMs**.
- Worked on **Update Management** for **Automating** the **OS Patch** of the **VMs**.
- Worked on **Standard** and **Premium Storage Accounts** and created **Azure Back Up Policy** for the **VMs**.
- Worked on **Azure Policy, Definitions** and **Assignments** and Created **Azure Deny Policy** for the **restricted Ports**.
- Worked on **Azure Migrate** to **Migrate** the **Servers** from **AWS** to **Azure** and Worked on **Power BI** to Create **Billing Dashboards**.

ROLES AND RESPONSIBILITIES IN ORACLE :

- Worked on Creating **Virtual Cloud Network(VCN), Subnet, Internet Gateway, Routes, Security List, Site to Site VPN, Customer Premises Equipment, Dynamic Routing Gateway**.
- Creating new **Instances** based on requirement and **creating an Image** of the instance.
- Worked on Creating **Tunnel** between **OCI Cloud** and **Onpremise**.
- Creating **Block Volumes** and **Snapshot** of **Volumes**.
- Provisioned Servers in **Oracle Cloud**.

CLOUD ENGINEER

ZUME IT, Hyderabad (SEP 2019 To OCT 2020)

ROLES AND RESPONSIBILITIES :

- Experience in **Deploying, Managing** and **Operating Highly Scalable, Highly Available and Fault Tolerant Systems** on **AWS** using multiple services.
- Created and Configured **Elastic Load Balancers** and **Auto Scaling Groups** to distribute the traffic and to have a cost efficient, fault tolerant and highly available environment.

- Configured **S3 Buckets** with various **Life Cycle Policies** to archive the infrequently accessed data to Storage Classes based on the requirement.
- Created Alarms and Notifications for **EC2 hosts** using **Cloud Watch** and used **Cloud Watch Events** to Trigger **EC2 Instances** and Hosted a Website using **S3** , **Cloud Front** and **Route 53**.
- Experience in **Maintenance** and **Performance** of **EC2 Instances** and in Configuring **Security Groups** for **Windows** and **Linux EC2** Instances.
- Configured **AWS Identity Access Management (IAM) Groups** , **Users** , **Roles** and **Policies** for improved login authentication and to give the required access for the **Users** to **AWS Resources**.
- Created **Load balancers (ELB)** , **Auto Scaling Groups** and used **Route53** with **Failover** and **Latency** options for High Availability and Fault-Tolerance.
- Created **S3-Static Website Hosting** , **API Gateways** , **Lambda function** and **DynamoDB** for **Serverless Framework** by Writing a **Lambda Function** using **Python (Boto3)**.
- Setting up the **AWS RDS** and created **Snapshots** and **Read Replicas** for **Performance** and Setting up **Multi-AZ** for **Disaster Recovery**.
- Created **Cognito User Pools** and **User Identity** which provides Authentication to sign in into multiple services to different environments of the team for specified authentication and authorization of end users to the web application by using **AWS Cognito Service**.



TECHNICAL SKILLS

- **AMAZON WEB SERVICES (CLOUD COMPUTING)**
- **AZURE (CLOUD COMPUTING)**
- **ORACLE (CLOUD COMPUTING)**
- **DEVOPS TOOLS** : Terraform, Docker, Kubernetes, Jenkins, Chef, Puppet, Ansible
- **SCRIPTING LANGUAGES** : Python, JSON
- **OPERATING SYSTEM** : Windows, Linux
- **DATABASES** : MYSQL, Cloud Databases
- **VERSION CONTROL SYSTEM** : GIT, Code Commit
- **HFSS (Antenna Design), Networking, MATLAB, MULTI-SIM Software**



EDUCATION

Aug 2015 - Bachelor of Technology (ECE)

May 2019 *MallaReddy Institute of Technology And Science - Kompally, Hyderabad*
CGPA - 7.0

Jun 2013 - Telangana Board of Intermediate Education (MPC)

May 2015 *Sri Chaitanya Junior College - Nizampet, Hyderabad*
CGPA - 9.7

Jun 2012 - Secondary School of Education (SSC)

May 2013 *Sri Chaitanya Techno School - Hayathnagar, Hyderabad*
GPA - 9.2