

Thirupathi G  Featured 

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AWS Infra Architect and DevOps Engineer seeking roles in Software Application Programming, System Analysis, Solution Architecture, Client Management, Cloud Computing, Release Engineering, Performance Tuning, AWS, Jenkins, Docker, Ansible, GIT, MySQL

Current Designation: AWS Solution Architect ( Infra)	Total Experience: 14 Year(s) 0 Month(s)
Current Company: Tata Consultancy Services (TCS)	Notice Period: 3 Months
Current Location: Hyderabad / Secunderabad	Highest Degree: MS/M.Sc(Science) [Computers]
Pref. Location: Hyderabad,Pune	
Functional Area: IT Software - Application Programming / Maintenance	
Role: Tech Architect	
Industry: IT-Hardware & Networking	
Marital Status: Married	
Key Skills: AWS Infra Architect and DevOps Engineer,Application Programming, System Analysis, Solution Architecture, AWS Cost optimization, Client Management, Cloud Computing, Release Engineering, Performance Tuning, AWS, Docker, Ansible, Jenkins, GIT	
Verified :  Phone Number   Email - id	

Last Active: 18-Jan-21

Last Modified: 18-Jan-21

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## Summary

Hands-on experience on implementing Cloud Solutions using various AWS Services including EC2, VPC, S3, Glacier, EFS, AWS Kinesis, Lambda, subnet, Cloud Formation, Terraform, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift, Aurora, ECS Fargate, ECR, API Gateway, Application load balancer, Network load balancer, target groups, security groups, NACL, VPC Endpoint, S3 Events, Cloud Watch Events, Cloud Watch alarms, Cloud watch log groups, log archival, AWS WAF, Kinesis firehose, Elastic search, Kibana, Elastic Cache, Redis, Google dialog flow, Usabilla, Amazon connect, Amazon recognition, Cloud Front, Custom domain, Route 53, AWS EMR, AWS Aurora Mysql, Postgre sql, bitbucket, AWS Secret Manager, KMS etc.

Working as AWS Architect for Bpost client and designed various serverless (SAM) architectures for different use cases.


## Work Experience

 **Tata Consultancy Services (TCS)** as AWS Infra Architect and DevOps Engineer  
May 2019 to Dec 2020

Technical skills:

- Created Cognito and Cognito user pool to authenticate users and added Cognito as authorizer for API Gateway.
- Created of docker Image using docker and pushing the docker Image into ECR.
- Preparation of technical design document.
- Updating confluence page with technical design details.
- Defining resources naming standards and educating team members on AWS and it's services.
- Updating Jira user stories.
- Worked with third party client vendor DxC on DNS switch over.
- Prepared the technical solution and design for the requirement.
- Ensure technical solution and design is simple to understand.
- Peer review of other AWS projects.
- Work along with the client team to meet the deadlines on time.
- Created AWS Directories and created Workspace for developers.
- Create CloudWatch events and rules.
- Created SNS topics, SQS and dead letter Q.
- Creation of S3 Bucket, enable versioning, hosting static website, encryption, blocking public access, applying bucket policy, adding lifecycle rules to archive or delete files after defined time.
- Creation of CloudFront distribution, setting object caching TTL at CloudFront level, adding S3 bucket as Origin, clearing cache (Invalidation).
- Creation of Application Load balancer, creation of target group, adding listeners to Load balancers.
- Creation of Network Load balancer to use within the VPC and within defined subnets, configuring routing with port number and health checks.
- Creation of WAF at Global level and regional level (Global level to add to CloudFront and regional level to add API Gateway at regional level), modified WAF rules.
- Creation of Kinesis Firehose delivery stream at regional level and Global and added Kinesis Data Firehose stream

to WAF- and logged WAF- log file in S3 bucket.  
Created Data pipeline to export data from DynamoDB table to S3.  
Created DynamoDB tables as per the requirement.  
Created Backup vault, created backup plan, added backup plan as a tag to DynamoDB table to take daily backup and expire in 30 days.  
Created VPC Link and added target network Load balancer.  
Created Custom Domain names to use in API code.  
Created API Gateway, created test Get method and deployed API Gateway, enabled logging at API Gateway added WebAcl to API Gateway.  
Created Lambda function.  
Created Roles and assigned to resources, created IAM users, created custom policies and assigned to users to restrict access to resources (allowed only the resources which are required to perform job function)  
Created Postgre SQL in multi availability zone with read replica.  
Created ECR (Elastic container repository) to keep Image, Created ECS Fargate Cluster.  
Created ECS Task definition and created ECS Fargate service with auto scale.  
Written and modified CloudFormation scripts for client requirements and created resources like S3, ECS task, ECS service, ECR, API Gateway, Custom domain, DynamoDB tables, Load balancers.....etc  
Created CloudWatch alarms for ECS memory usage, CPU usage, API Gateway 4xx and 5xx error and

 **Tata Consultancy Services (TCS)** as AWS Solution Architect ( Infra)  
Sep 2006 to Till Date  
Design and Implementation

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## Education

UG: **B.Sc (Computers)** in 0  
PG: **MS/M.Sc(Science) (Computers)** from **Babasaheb Ambedkar Marathwada University (BAMU), Aurangabad** in **2006**  
**Other Qualifications/Certifications/Programs:**  
AWS Certified Solution Architect  
AWS Certified SysOps Administrator

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## IT Skills

Skill Name	Version	Last Used	Experience
AWS		2020	4 Year(s) 0 Month(s)

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## Languages Known

Language	Proficiency	Read	Write	Speak
Telugu	Expert	✓	✓	✓
English	Expert	✓	✓	✓
Hindi	Proficient	✓	✓	✓

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## Affirmative Action

Category: **General**  
Physically Challenged: **No**

## Work Authorization

Job Type: **Permanent**  
Employment Status: **Full time**

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