

Surya Teja Suthapalli

Cloud Engineer

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Professional Summary:

6+ years of IT experience in Google Cloud Platform, AWS, SQL and Clinical Trails domain, A seasoned Cloud Infrastructure and Cloud Network Engineer with experience in designing, implementing, and maintaining cloud-based solutions on Google Cloud Platform (GCP), Amazon Web Services (AWS). Proficient in network design, security, and performance optimization.

Skills

- Google Cloud Platform (GCP)
- Amazon Web Services (AWS)

Networking:

- Networking Protocols (TCP/IP, BGP, OSPF)
- Virtual Private Cloud (VPC) and Shared VPC design and configuration
- VPC Endpoint Policies (Interface and Gateway)
- Load Balancing and Content Delivery (GCP Load Balancers, AWS ELB/ALB)
- Private Google Access, Alias IP and Secondary IP ranges
- Knowledge of BGP configurations for dynamic routing .
- Network Troubleshooting and Performance Optimization

Security:

- Security and Compliance (IAM, Security Groups, NACL)
- Configuring AWS Firewall, WAF, Amazon Guard Duty and GCP Cloud Armor
- Participated in Penetration Test
- Configured policies to prevent DNS Cache Poisoning.

Monitoring:

- Cloud Monitoring and Management (CloudWatch, Cloud Trail, Stack driver)

Infrastructure:

- Google Compute Engine, Google Cloud Storage Services, Instance Groups ,Images and Snapshots.
- EC2, AWS SSM, Run Command.
- Implemented Infrastructure requirements using Terraform.

Certifications

- Google Cloud Professional Cloud Network Engineer
- Google Cloud Associate Cloud Engineer (ACE)

Professional Experience

Cloud Engineer

Rackspace Technology (May 2022-Till Date)

Client: WPP

- Led the design and implementation of GCP and AWS environments for multiple clients, ensuring high availability, scalability, and security.
- Designed custom VPC architectures, VPC Peering, Shared VPC, Subnetting and routing to meet specific project requirements and optimized network performance.
- Configured multiple NIC, Alias IP's, Cloud NAT and Cloud VPN as per the requirements.
- Diverting traffic from HTTP to HTTPS
- Implemented security measures such as IAM roles, Security Groups, and NACL's to ensure data protection and compliance.
- Worked closely with the security team to implement firewall rules, DDoS protection, WAF, Cloud Armor and encryption to fortify network security.
- Managed and monitored cloud resources using CloudWatch and Stack driver, proactively identifying and resolving issues.

Client: Westfield

Role: Cloud Engineer

- Created various VM Instances, Instances Groups, Instance Templates, and disks on GCP.
- Implemented Google Cloud platform and its features which includes Auto Scaling, Auto Healing, Storage, Load Balancers and IAM.
- Created regional GCS bucket to upload and download the encrypted application code and granted access to buckets for public and private use.
- Performed backups and snapshots as per the requirement.
- Monitored cloud resources using tools such as Google Cloud Monitoring, Stack driver, and Cloud Logging.
- Firewall rule creation as per tags /service accounts and troubleshooted VM instances in GCP.
- Experience in startup scripts and writing code for Cloud Functions as required.
- Assisted customers in optimizing their cloud infrastructure for cost savings and performance improvements resulting in cost savings of 20% for cloud resources.
- Developed dashboards in Grafana for critical GCP resources.

Cloud Analyst

Hala InfoSec (January2021-May 2022)

Client: Methanex

- Configured AWS SSM and set up patching policies that define which instances should be patched, which patches should be installed, whether to reboot instances after patching and other patching criteria.
- Regularly assessed instances to identify missing patches and security vulnerabilities using AWS SSM's patch compliance capabilities.
- Scheduled and executed patching tasks within maintenance windows to minimize disruptions to your applications and services and by troubleshooting such as instances failing to respond or errors during the patching process.
- Generated reports using Power BI and maintained records of patching activities, including compliance status and any exceptions or vulnerabilities.
- Optimize patching processes to handle a growing number of instances efficiently, considering factors like instance types, regions, and instance lifecycle management.

Associate Design Manager

End Point Clinical (January 2019-December 2020)

Project Title: OIC Data Migrations

- Gathered Technical Spec and Functional Spec by interacting with source and target (Vendors & Stakeholders)
- Worked on OIC Connectors like FTP, Mail, Database, Salesforce, Web Services Listener, HTTP Client, Web Services SOAP Client, SuccessFactors.
- Developed the Database/Flat file/JSON/XML profiles, OIC Mappings, Processes using different connectors/shapes and logic shapes between the application profiles and different trading partners using OIC.
- Responsible for creating SQL Server connections working in OIC.

Analyst

Intelnet Global Services (October 2016-January 2018)

Project Title: Clinical Trials

- Created stored procedures, scripts and views in SQL Server database and SQL server tables, indexes, views and maintained Database Users
- Used SQL transaction Concepts in DML Related Operations in Queries.
- Worked on Claims development and support.
- Created User Defined Functions to encapsulate frequently and commonly used business logic making the system more modular, secured and extensible.

InternData Analyst

Big Data Matica (April 2018-June 2018)

- Performed Sentiment Analysis for customer reviews and feedback about different products. We had cleansed the data to remove non-essential words and compared data for positive and negative polarities and provided a final score. After identification of positive or negative comments, we created a word cloud to show top positive and negative words about customer experience.

Data Analyst

Saadhya Techno Services (July 2018-November 2018)

- Predicted number of resources required for upcoming quarters and developed an ARIMA time series model using historical data based on past 2 years data.

Education

Bachelor of Electronics and Communication Engineering | CMRCET | 2016