

Rajasekhara Reddy

AWS Cloud Operations Engineer

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As a skilled IT professional, I have a strong career background in several areas, including AWS, Cloud architecture, Networking implementation design. With hands-on experience in designing and architecting complex solutions, I possess a deep understanding of cloud-based technologies and infrastructure.

I'm Looking for a challenging role in a reputable organization to utilize my technical and management skills for the growth of the organization as well as to enhance my knowledge about new and emerging trends in the IT sector.

Experience

I started my career with Tata Consultancy Services (TCS) in September 2016. Since then I'm working for TCS and having total of 7.3 years of work experience with multiple teams.

AWS Cloud Operations Engineer

Dec 2018 - Present

- 4+ yrs of experience working on AWS cloud services
- Strong knowledge of architecting secure solutions in AWS
- Architecture, Infrastructure as a Service, Storage, Infrastructure as Code, and Identity and Access Management
- Support the integrations using AWS Lambda APIs
- Experienced in CloudWatch, Cloudtrail, Event Bridge logs monitoring
- Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS
- Creating alerts through AWS cloudwatch for various metrics to monitor AWS services.
- Creating SNS topics for getting alert mails for the cloudwatch alarms.
- Build and monitor Application & Network Load Balancers
- Good Experience in architecting and configuring secure cloud VPC using private and public networks through subnets In AWS.
- Amazon IAM service enabled to grant permissions and resources to users. Managed roles and permissions of users with the help of AWS IAM.
- Developing and implementing automation scripts to reduce repetitive tasks and eliminate human error
- Initiating alarms in CloudWatch service for monitoring the server's performance, CPU Utilization, disk usage etc. to take recommended actions for better performance.
- Included security groups, network ACLs, Internet Gateways, and Elastic IP's to ensure a safe area for organization in AWS public cloud.
- Design AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of templates.

- Troubleshooting and resolving incidents while collaborating with the development and IT teams to minimise downtime and maintain service quality
- Creating and maintaining technical documents for cloud infrastructure and related processes
- Staying updated with emerging technologies, trends and platforms and adapting to the changing workplace environment
- Monitoring and analysing cloud resource usage to identify cost-saving opportunities
- Recommending changes to the application architecture or design to improve the performance and efficiency
- Implementing security measures to protect data from authorised access
- Collaborating with product development and architecture teams to evaluate and implement new services based on requirements
- Plan and perform monthly security patching on Windows and AWS EKS (Elastic Kubernetes Service) to protect applications from vulnerabilities
- Importing of SSL certificates to AWS certificate manager for use with Load Balancers
- Monitoring AWS resources through CloudWatch to identify and avoid applications getting down

Network Engineer

Sep 2016 - Nov 2018

- Configure and install various network devices and services (e.g., routers, switches, firewalls, VPN)
- Perform network maintenance and system upgrades including service packs, patches, hot fixes and security configurations
- Provide Level-2/3 support and troubleshooting to resolve issues
- Work within established configuration and change management policies to ensure awareness, approval and success of changes made to the network infrastructure
- Select and implement security tools, policies, and procedures in conjunction with the company's security team
- Responsible for designing, troubleshooting and providing technical support on LAN and WAN network segments for TCS and its clients globally.

Education

- Bachelors of Science (M.P.Cs) - 65 %
Sri krishnadevaraya University, Anantapuram

2013 - 2016

Skills

- EC2, EBS, Load Balancing and S3
- Cloud Formation
- Cloudtrail & Cloudwatch
- AWS Lambda
- YAML & Python
- IAM
- Windows & Linux
- AWS VPC