SHANTHOSH S

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Overall, 9 years of experience, with a focus on administration and implementation of best practices on cloud architecture, committed to creating scalable and reliable solutions. My areas of expertise include AWS cloud and Microsoft Azure environments ensuring achievement of project milestones and consistent completion within time.

Technology Stack:

Service Tools	: Service Now, JIRA, PPM,
Cloud Technologies	: AWS Cloud, Microsoft Azure Cloud
Monitoring Tools	: AWS Cloudwatch, OpsRamp, AppDynamics, Airwatch, Intune, Solar Winds
Certifications	: MCSA, AWS Certified Solutions Architect, AWS Certified SysOps Administrator

Work Experience:

Technical Lead | Trianz   Jan2024-Till date

- **EC2 Cost Optimization:** Spearheaded cost optimization initiatives for EC2 instances, utilizing AWS Compute Optimizer and CloudWatch metrics to downsize or right-size instances, leading to $32k in cost savings.

- **Lambda Automation:** Developed and implemented Lambda functions for automating resource utilization reports. This helped identify underused or idle resources, leading to their decommissioning, which significantly reduced unnecessary costs.

- **Automated Reporting:** Deployed an automated reporting solution using Lambda and SES to generate regular email reports to provide stakeholders with actionable insights on AWS resource usage and cost trends.

- **Resource Lifecycle Management:** Automated lifecycle management of underutilized EC2 instances, EBS volumes, and Elastic Load Balancers, improving cloud resource and cost efficiency, maintaining the cloud hygiene.

- **Infrastructure as Code (IaC):** Administered cloud resources using AWS CloudFormation, ensuring consistent provisioning of EC2, S3, Lambda, RDS, VPC, Route 53, IAM, CloudWatch, , Auto Scaling, ELB ,ECS, Secrets Manager across development and production environments.

- **Cloud Monitoring & Alerts:** Configured AWS CloudWatch to monitor infrastructure performance, set up custom dashboards and alarms for proactive resource management.

- **Cost Explorer & Trusted Advisor:** Leveraged AWS Cost Explorer and Trusted Advisor to track spending patterns, recommend optimizations, and ensure adherence to AWS best practices.

- **DevOps Collaboration & Orchestration:** Partnered with DevOps teams in updating configuration settings using Ansible, provisioning resources and EC2 clusters with Terraform, and integrating Artifactory links to fetch Docker images and application artifacts for Apache and Tomcat web servers. Maintained orchestration and workflow automation effectively using Python.

Technical Specialist | HCL Technologies   Jan2022-2024

- Proficient in using cloud migration tools and services such as AWS Cloud Migration Factory, AWS Database Migration Service and AWS Application Migration service.
- Implemented the migration using AWS Application Migration Service to migrate the virtual machines to EC2 instances.
- Ensured minimal disruption to business operations during the migration process
- Proficiently designed, deployed, and managed AWS infrastructure using Terraform's Infrastructure as Code (IaC) paradigm.

- Created Terraform scripts to deploy AWS VPC, EC2 instances, and S3 buckets, ensuring consistent infrastructure across teams.
- Designed autoscaling architecture for web applications using Terraform and AWS Auto Scaling Groups, enhancing availability.
- Implemented a disaster recovery strategy by using Terraform to manage cross-region replication of critical resources in AWS.
- Skilled in working with JSON and YAML data formats, with experience in parsing, manipulating, and generating data in these formats.
- Experienced in using Boto3, the Python SDK for AWS, for developing and automating AWS services such as EC2, S3, and Lambda.
- Familiar with version control tools such as Git and GitHub, with experience in creating and managing repositories, branching, merging, and pull requests.

Analyst | Ramboll   Feb 2020 – Jan2022

- Provisioning machines/instances with Autoscaling, clones, AWS snapshots, VM ware templates. Optimizing volumes, EC2 instances, and created multiple VPC instances.
- Implemented roles and groups for users and resources using AWS Identity Access Management (IAM) and also managed network security using Security Groups, and IAM.
- Experienced in designing and deploying AWS solutions using EC2, S3, RDS, ELB, EBS, and Auto Scaling groups for installing, configuring, and troubleshooting on various Amazon images for server migration from physical into the cloud.
- Managed AWS Cloud Formation templates to create custom-sized VPC, subnets, NAT to ensure successful deployment of applications.
- Created and managed s3 buckets Configure Virtual Private Cloud (VPC) with both public and private subnets, NAT instances, and Elastic Load Balancers.
- Provided highly durable and available data by using S3 data store, versioning, lifecycle policies, and create AMIs for mission-critical production servers for backup.
- Utilized Cloud Watch to monitor resources such as EC2, Amazon RDS DB services, Dynamo DB tables, to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.
- Utilized the AWS calculator to produce a budget for a project on AWS.
- Utilized Amazon Glacier for archiving data.

Server and System Administrator | Glencore   Oct 2018 – Feb2020

- Administrator on Azure AD users, groups, and devices, and major role in migration between on-premises and Azure AD
- Creating the distribution list and security group for the projects as per the requirements.
- Azure MDM Intune Management which includes generating the compliance report on daily basis and constant check over the machines reflecting under compliance report.
- Managing all the organization devices Laptops, Desktops, Mobiles, iPads through Intune.
- Creating new site in SharePoint and responsible for Site and access Management in SharePoint.
- Migrating all the on-premises Project Folders and files to SharePoint online.
- Creating the VM on azure based on the configuration requirements of the users.
- Responsible for O365 License Management to enable access for the O365 products for the users
- including Microsoft Teams, SharePoint Online, OneDrive, etc.,
- Responsible for assigning enterprise E1, E3 and F5 Licenses on Microsoft 365 admin center enabling the MS Teams access and international voice calling feature for the users.
- Participate in 24/7 on-call support for the collaboration technology environment (P1, Major Incident Management).
- Effectively maintained all Windows/Intel systems by performing maintenance patching and application upgrades (including operating system and various applications) as needed.
- Backup and Restore experience.

- Worked to improve procedures and monitoring, and worked on process automation tasks / Power shell scripts.
- Build and configure all Win2000 / Win2003 servers; Windows / Win2000 workstations

Service Desk Engineer | Sify Technologies   Sep 2015- Sep2018

- Provided effective Windows/Intel support on a 24/7 basis by researching/analyzing issues/requests to determine server (hardware and software)/application related implications, effectively communicating with all impacted parties and by troubleshooting and resolving issues with a sense of urgency to minimize downtime.
- Experience in Server build and configuration.
- New Physical/Virtual Servers OS installation, and creating virtual machines to users.
- Administered, upgraded and maintained Windows servers, Exchange, and SQL to support more than 2000 users.
- Experience in troubleshooting issues with server hardware as well as users mailboxes.
- Managed server environment to maximize application deployment and support tool utility.
- Performance monitoring for all servers, workstations, and network devices.
- Privileged Identity Management on Azure cloud. Azure AD password reset, User ID creation, User ID Modification, User OU Movement.

Education & Personal Details:

Degree: : B.E in Mechanical Engineering   May 2013
Date of Birth   : 20.08.1992
Languages   : Tamil, English and Telugu
Address   : No:27/4, Rajeswari Nagar, Minjur, Chennai-601203