Varunsimha M P

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• LinkedIn • GitHub • Portfolio

Cloud & Server Infrastructure Engineer with over 2.6+ years of experience in designing, deploying and managing scalable solutions in cloud, hybrid cloud, automation, system administration, and troubleshooting. Proficient in AWS, Linux (RHEL, CentOS, Ubuntu), Azure, Windows Server, Docker, Ansible and Terraform. Expertise in cloud security, auto-scaling architecture, server virtualization, and infrastructure optimization. Proven track record in managing customer queries, providing exceptional service, and solving complex technical issues efficiently. Excellent communicator with strong time management skills, committed to continuous learning and professional growth.

Professional Experience

JANUARY 2024 – PRESENT

System Engineer | Stratogent Technology Service | Bengaluru, India

AWS Cloud Infrastructure & Automation:
- Configured and managed AWS resources including EC2, EBS, EFS, FSx, and S3, with automation achieved through Lambda functions and mounting S3/EFS/FSx to respective servers.
- Provisioned the secure integration and data synchronization between on-premises data centers, Azure AD, AWS and third party such as OKTA which utilized IAM users, groups, roles, IAM Identity Center, and AWS Directory Service.
- Designed VPCs, VPNs, Site-to-Site connections, NAT Gateways, VPC Peering, Transit Gateways, Security Groups, and NACLs for optimized networking.
- Performed cloud migrations including AWS server migrations and DMS for database migration and from Azure and on-prem to AWS using Application Migration Service (MGN), and Server Migration tools.
- Implemented Storage Gateway for hybrid connectivity, backup integration, and seamless on-prem to cloud data transfer.
- Implemented Auto Scaling Groups, Load Balancers, SQS, SNS, API gateway with Lambda function, Route 53, CloudWatch monitoring, and AWS Backup for traffic management, high availability, and disaster recovery.
- Implemented knowledge of Terraform for infrastructure automation and Infrastructure as Code (IaC) practices
- Implemented Elastic Beanstalk and App Runner to configure the Platform as a Service (PaaS) environment.
- Designed CI/CD pipelines using Jenkins, optimizing deployment times and ensuring zero downtime deployments.

Linux System Administration:
- Managed RHEL/CentOS and Ubuntu/Debian environments, handling user access, file permissions (ACLs), Samba/NFS shares, storage optimization, disk management (LVM, partition expansions), troubleshooting performance issues through log analysis, and configuring networking settings such as static IPs, DNS, and domain additions.

Azure & Windows Server Management:
- Managed Azure VMs, configured VNets and security rules, set up Azure Monitor alerts, and automated backups for disaster recovery, while also handling Windows Server disk resources, expanding CPU, RAM, and disk space both from cloud and vCenter also configuring networking settings such as static IPs, DNS, and domain additions.

Key Technologies: AWS, Terraform, Linux (RHEL/CentOS, Ubuntu/Debian), Docker, Jenkins (CI/CD), Azure, Windows Server, vCenter.

JULY 2023 – DECEMBER 2023

Trainee System Engineer | Stratogent Technology Service | Bengaluru, India

- Monitored and resolved AWS, Azure cloud and server issues in a 24/7 NOC environment.

- Worked in managing Multi cloud platforms such as AWS and Azure including the Windows and Linux servers with basic troubleshooting and maintenance.
- Worked in patching and updates using Ansible for Linux servers and ManageEngine for windows.
- Handled Cisco Meraki Dashboard troubleshooting, including network device monitoring, connectivity issues, configuration checks, and incident resolution.
- Documented and escalated incidents as per ITIL processes.

Key Technologies: AWS, Azure, Linux Server, Windows Server, vCenter.

Skills

- Cloud Platforms: AWS (EC2, ECS, EFS, FSx, RDS, S3, IAM, Route 53, Lambda, CloudWatch and many more) | Azure (VM, VNets, backups, monitor alerts)
- DevOps Tools: Terraform, Docker, Kubernetes, Ansible, Git, CI/CD Pipeline (Jenkins, GitHub Actions).
- Infrastructure as code: Terraform, Ansible.
- Operating System: Linux (Red hat, CentOS, Ubuntu, Debian), Windows.
- Networking: TCP/IP, DNS, Load Balancers, VPN, VPC, NAT Gateway.
- Soft Skills: Problem-Solving | Communication | Collaboration | Troubleshooting | Leadership.

Projects

End-to-End DevOps Project on AWS using Terraform, Kubernetes, Jenkins (CI/CD), GitOps, Argo CD with Full Prometheus Monitoring & Grafana Visualization
Implemented a complete DevOps pipeline on AWS by automating infrastructure provisioning with Terraform (S3 remote state) and deploying containerized applications on Amazon EKS using Docker and Helm. Integrated Jenkins for CI and Argo CD for GitOps-based CD, along with ECR for image storage and EFS for stateful workloads. Configured ALB Ingress with ACM certificates and Route 53 for secure traffic routing, and established full-stack monitoring using Prometheus and Grafana with RBAC-based dashboards and alerting

A Secure Multi-Tier Web Application Architecture on AWS
Designed and deployed a secure multi-tier architecture by isolating public and private workloads across separate VPCs. Implemented Amazon RDS, S3 with VPC endpoints, ACM for SSL, and Route 53 for reliable routing. Enabled controlled cross-region communication via VPC peering and secure outbound access using NAT Gateways. Optimized performance and cost efficiency through ALB-based HTTPS traffic handling and automated instance management using AWS Lambda and Event Bridge.

Certifications

- AWS Certified Solution Architecture – Associate (SAA-C03), Amazon Webservices
- AWS Certified Cloud Practitioner (CLF-C02), Amazon Webservices
- Well-Architected Proficient, Amazon Webservices
- Containerization with Docker: Beginner to Expert - Udemy
- NDG Linux Essentials - Cisco Networking Academy

Education

AUGUST 2019 – MAY 2023
B. E | COMPUTER SCIENCE & ENGINEERING | 8.74 CGPA | MAHARAJA INSTITUTE OF TECHNOLOGY MYSORE