Rahul Verma

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Summary

Highly accomplished and results-driven Lead Cloud Engineer with 9 years of extensive experience in designing, implementing, and managing robust, scalable, and secure AWS cloud infrastructures. Proven expertise in leading complex cloud migration initiatives, developing advanced Infrastructure as Code (IaC) solutions using AWS CloudFormation and Terraform , and establishing streamlined CI/CD pipelines with Jenkins . Adept at leveraging a wide array of AWS services to drive operational excellence, optimize costs, and ensure high availability. Seeking to apply advanced technical leadership and strategic vision to a challenging Lead Cloud Engineer role.

Experience

Lead Cloud Engineer | InnovateCloud Solutions Pvt. Ltd. | Bengaluru, Karnataka

May, 2018 – Present

* Spearheaded the design and implementation of highly available and fault-tolerant AWS architectures for mission-critical applications, ensuring 99.99% uptime for core services.

* Led end-to-end cloud migration projects for monolithic applications to AWS, encompassing re-platforming and re-architecting, resulting in a 30% reduction in operational overhead.

* Developed and managed comprehensive Infrastructure as Code (IaC) using AWS CloudFormation and Terraform for automated provisioning and configuration of AWS resources (EC2, RDS, VPC, Lambda, EKS).

* Designed, implemented, and maintained sophisticated CI/CD pipelines with Jenkins , integrating Git, automated testing, and deployment to multiple AWS environments, significantly reducing deployment time by 40%.

* Automated routine operational tasks and infrastructure management using Python and Bash scripting, improving efficiency and reducing manual errors by 25%.

* Implemented stringent security controls and best practices across AWS accounts, including IAM policies, security groups, NACLs, and encryption, ensuring compliance with industry standards.

* Managed and optimized AWS costs through resource rightsizing, reserved instances, and effective use of spot instances, achieving a 20% cost saving annually for cloud expenditure.

* Provided expert-level troubleshooting and resolution for complex cloud infrastructure issues, ensuring minimal downtime and quick recovery.

* Mentored junior cloud engineers, fostering their growth in AWS services, IaC, and DevOps methodologies.

Senior Cloud Engineer | DigiCloud Services | Hyderabad, Telangana

June, 2016 – April, 2018

* Contributed to the development and maintenance of AWS infrastructure, focusing on services like EC2, S3, and VPC for various client projects.

* Utilized Git for version control and collaborated effectively on code repositories for infrastructure deployments.

* Assisted in the development of basic automation scripts for infrastructure setup and configuration using shell scripting.

Technical Skills

* Cloud Platforms: Amazon Web Services (AWS) - EC2, S3, RDS, VPC, IAM, Lambda, CloudWatch, Route 53, SQS, SNS, EBS, ELB/ALB, ECS, EKS, CloudFront, GuardDuty, Shield, WAF, Systems Manager.

* Infrastructure as Code (IaC): AWS CloudFormation, Terraform.

* CI/CD & DevOps: Jenkins, Git, Docker, Kubernetes (EKS).

* Scripting & Automation: Python, Bash.

* Operating Systems: Linux (Ubuntu, RHEL), Windows Server.

* Networking: VPC, Subnets, Routing, Security Groups, NACLs, VPN, Direct Connect.

* Monitoring & Logging: CloudWatch, ELK Stack, Prometheus, Grafana.

* Methodologies: Agile, Scrum.

Education

Bachelor of Technology in Computer Science | Indian Institute of Technology Delhi | Delhi

2015

Certifications

* AWS Certified Solutions Architect – Professional (Issued: January, 2022)

* AWS Certified DevOps Engineer – Professional (Issued: March, 2023)

* HashiCorp Certified: Terraform Associate (Issued: July, 2021)