**SENIOR CLOUD ENGINEER**

**AWS CLOUD ADMINISTRATION, AUTOMATION FROM**

**TERRAFORM & ANSIBLE, KUBERNETES ADMIN WITH DEVOPS LIFECYCLE**

**Ashwani Kumar V**

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Professional Summary

1. 9+ years of experience in IT field which includes 6+ years in AWS Cloud environments, Build and Administer Micro-Services architecture through K8S & AWS EKS.
2. Proficiency in working in DevOps lifecycle management environment, creating build and release pipelines, Infrastructure Automation & Configuration Management in multiple environments.
3. Analytical, committed, persistent individual and reliable team member. Continuously learning and acquiring new knowledge and skills. Performed well in different environments in onshore and distributed teams.

Skills Matrix

|  |  |  |
| --- | --- | --- |
| **SKILLS** | **PRODUCT/TOOLS** | **RATING /5\*** |
| Cloud Computing | AWS | \*\*\*\* |
| Infrastructure Automation | Terraform, CloudFormation | \*\*\*\* |
| Configuration Management | Ansible, Packer | \*\*\*\* |
| Operating System | Windows, Linux | \*\*\*\* |
| Automation/Scripting | Bash Script, Python | \*\*\*\* |
| SCM/VCS | Git/GitHub/Git Lab, Bit Bucket | \*\*\*\* |
| DevOps Tools | Maven, Sonarqube, Jfrog | \*\*\*\* |
| CI/CD Pipelines | Jenkins | \*\*\*\* |
| Container Orchestration | Docker, Kubernetes, AWS EKS, Helm Charts | \*\*\*\* |
| Monitoring | Prometheus & Grafana, Cloud Watch | \*\*\*\* |
| DevSecOps Tools |  |  |
| Serverless Architecture | AWS Lambda, API Gateway | \*\*\* |
| Ticketing | Jira | \*\*\*\* |

Certifications

1. AWS Certified Solutions Architect - Associate
2. Hashicorp Certified - Terraform Associate

Education

**Master of Science (MSc.)** (Innovative Technology), 2011 from University of East London, London.

[Education History](https://github.com/SimplifiedDevOps/dashboard/blob/main/avk_resume/Education_History.txt)

Professional Experience

**Senior Cloud Engineer, Visionet Systems Pvt. Ltd. Bengaluru**

**Date: July 2021 – Till date**

**Job Profile: Cloud Infrastructure Automation with Terraform, Ansible & PowerShell**

**Cloud Engineer, TCS, Hyderabad**

**Payroll: Ivytel Technologies Pvt. Ltd. Bengaluru,**

**Date: January 2018 – July 2021**

**Job Profile: Azure Migrations, Azure Administration & Infrastructure Automation**

Upgraded kubernetes version

Etcd backup and restore and HA by stacked etcd, external etcd.

rollback

**Mindtree LTD Feb 2015 – Dec 2017**

**Module Lead, Hyderabad, IN**

**Job Profile: AWS Administration & Infrastructure Automation**

***A versatile Indian MNIT services & consulting company with more than 307 clients.***

1. Adept knowledge & experience on 40+ AWS services. Able to provide or suggest right tool to make architecture susceptible to Resilience, Performance, Cost-Optimization, Provide better Security and Operational Excellence.
2. Configured Application & Network load balancers and Auto Scaling Group with different scaling policies as per the project requirements to make Application Highly Available and Scalable.
3. Configured VPC Endpoint with Amazon S3, DynamoDB and many other AWS Managed Services to secure the communication and Private link to secure communication with SaaS applications.
4. Implemented 3-tier architecture with RDS, DynamoDB, ElastiCache, EFS in DB layer, Apache tomcat in application layer and Nginx Reverse proxy as web layer.
5. Captured and Stored VPC flow logs to S3 bucket and integrated with CloudWatch logs and Athena to query the logs for any connectivity issues.
6. Configured S3 buckets with various life cycle policies and replication as per the client requirements. Also configured RDS DB & ElastiCache with its various features.
7. Implemented Route53 hosted zones with Weighted routing policy for canary deployments, Failover for DR Site, Geolocation for restricted content distribution and latency routing policies as per the project requirements.
8. Regulated alarms in CloudWatch service for monitoring the performance, CPU Utilization, disk usage etc.
9. Configured AWS Security Services such as IAM, KMS, ACM, WAF, Inspector, Trusted Advisor, Cloud Trail, Config, and Guard Duty to secure resources at multiple layers.
10. Used Terraform to build multiple environments such as dev, UAT and Prod using AWS DevOps workflow.
11. Standardized the Terraform modules for all the resources in AWS Cloud. This helped in reducing the code time and re-usability of the modules.

[**Further Employment History**](https://github.com/SimplifiedDevOps/dashboard/blob/main/avk_resume/Employment_History.jpg)