**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, DevOps, and Containerization.
2. Expertise in implementing full lifecycle DevOps automation, including Configuration Management, Build Automation, Release Management, Deployment Automation and Infrastructure Management.
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, Nexus | \*\*\*\* |
| 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, AWS Administration & Infrastructure Automation**

**Module Lead, Mindtree LTD. Hyderabad, Client: Microsoft, Hyderabad**

**Date: February 2015 – December 2017**

**Job Profile: Azure Administration & Migrations**

**Messaging Server Engineer, Aster Minds Enterprise Solutions Pvt. Ltd. Hyderabad,**

**Client: Microsoft, Bangalore**

**Date: May 2014 – February 2015**

**Job Profile: Exchange & O365 Migration**

**Server Engineer (L3), Zenith InfoTech Pvt. Ltd. Mumbai,**

**Date: July 2012 – May 2014**

**Job Profile: Exchange Server Administration**

Role and Responsibilities

1. Collaborate with software product development, architecture, and IT teams to ensure releases are delivered with repeatable and auditable processes.
2. Responsible for application Build & Release process which includes Code Compilation, Packaging, Security Scanning and code quality scanning, Deployment Methodology and Application Configurations.
3. Architect and design the setup and configuration of CICD pipelines and support/resolve technical complexities to integrate various DevOps practices as part of CICD implementation.
4. Work closely with product teams to find the right trade-off between business-specific needs and state-of-the-art CI/CD best practices.
5. Build and maintain tools for deployment, monitoring, and operations.
6. Execute and automate operational processes quickly, accurately, and securely. Provide solutions to increase visualization, reduce errors, and improve customer experience.
7. Support and troubleshoot scalability, high availability, performance, monitoring, backup, and restoration of different environments.
8. Troubleshoot and resolve issues in our development, test, and production environments.
9. Evaluate new tools, technologies, and processes to improve the speed, efficiency, and scalability of continuous integration environments.
10. Sustain and improve the process of knowledge-sharing throughout the cross-functional team, including multiple groups (viz. IT, Engineering) working on several different technologies.

Skills and Experience

1. Expertise in deploying at scale various containerized web, data applications, and services using technologies such as Docker, Kubernetes, Elastic Kubernetes Service (EKS), Elastic Container Service (ECS), CloudWatch, and other monitoring solutions.
2. Strong experience in 40+ AWS services like EC2, Identity and Access Management (IAM), CloudWatch, Relational Database Service (RDS), S3, etc.
3. 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.
4. Used Terraform to build multiple environments such as dev, UAT and Prod using AWS DevOps workflow.
5. Standardized the Terraform modules for all the resources in AWS Cloud. This helped in reducing the code time and re-usability of the modules.
6. Automated the creation of Golden AMI through Packer and used Ansible for Application configuration.
7. Experience in administering Kubernetes and a good understanding of manifest management with Helm along with expertise in Ingress Controller and Service mesh with Istio for pod communication and encryption.
8. Experience in building and managing CI/CD pipelines via Jenkins and integrated with Jira and Slack to send build state information.
9. Kubernetes and Jenkins version upgrade.
10. Etcd backup & restore
11. Cost optimization with Kubecost
12. DevSecOps

Projects

1. Currently implementing security tools for java maven project as per client requirements.
2. Experience in working on Java Maven, Java Graddle and React-Node Projects.

Looking Forward To Learn

1. AWS Lambda
2. GCP, Azure Cloud
3. Azure DevOps