

JAFAR ALI

CLOUD ADMIN

Cloud and DevOps Engineer with extensive experience in designing, deploying, and optimizing AWS infrastructure. Proficient in containerization with Docker and Kubernetes, and skilled in automating CI/CD pipelines using tools like Jenkins and GitLab. Strong expertise in Linux administration, cloud security, and infrastructure automation, with a focus on driving operational efficiency and scalable solutions.

WORK EXPERIENCE

Cloud Admin

01/2021 – Present

BIZZ SOLUTION PVT LTD

- Aws console maintenance.
- Expertly managed AWS services including EC2, ELB, EBS, S3, RDS, SNS, CloudWatch, VPC, IAM, MySQL, Elastic IP, VPN, Route53 Auto Scaling, Backup & Disaster Recovery, Lambda Function, Terraform, AWS CloudFormation, and various DevOps tools.
- Designed and implemented secure VPC solutions using Network ACLs, Security Groups, and public and private network configurations, ensuring robust security and efficient network performance.
- Proficient in managing and maintaining IAM policies in AWS, defining user groups, creating users, assigning roles, establishing role-based access controls, and implementing Multi-Factor Authentication (MFA) to secure AWS resources.
- Developed automated snapshots and Amazon Machine Images (AMIs) for instance backups and cloning, ensuring data integrity and quick recovery.
- Managed and optimized Linux systems, automated tasks with shell scripting, and ensured security with firewalls and user controls. Proficient in using apt, yum, and rpm for software management.
- Expert in creating and managing Docker containers, and deploying applications on Kubernetes clusters. Skilled in Kubernetes setup, configuration, and using Helm for deployment automation.
- Hands-on experience with DevOps Tools GitLab, GitHub, and Jenkins for continuous integration and deployment, streamlining development workflows, and enhancing collaboration.
- Automated CI/CD pipelines for production application deployments, improving efficiency and reducing deployment times.
- Experienced in Python and PHP, with a strong background in Linux administration.
- Provided technical support to clients and internal teams, ensuring smooth operation and resolving issues promptly.

SYSTEM ADMIN

2/2019 – 12/2020

SRI BHARATHI ENGINEERING COLLEGE FOR WOMEN

- Manage network servers and technology tools.
- Monitoring & Troubleshooting Network Printers and switches.
- Monitor performance and maintain systems according to requirements.
- Ensured system performance, security, and conducted backups.
- Upgrade systems with new releases and models.

HARDWARE & NETWORKING SERVICES

01/2015 – 12/2018

CYBERTECH COMPUTERS

- Provided sales and services for hardware and software.
- Fixed and maintained CCTV cameras, printers, scanners, desktop computers, and laptops.
- Troubleshooted computer difficulties and updated antivirus software.
- I built and configured new hardware and uploaded software packages.
- I set up and configured routers, switches, and LAN connections.
- Set up server and network racks, including LAN cable crimping.
- Configured Windows servers for 200+ client computers over the network.

CONTACT

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EDUCATION

U.G Computer Science & Engineering (B.E)

Kings College of Engineering,
Tanjore

2011 - 2014

EXPERTISE

Cloud Infrastructure
Management

DevOps Automation

Critical Thinking &
Problem Solving

CI/CD Pipeline
Management

Leadership & Team
Collaboration

Cost Optimization &
Resource Efficiency

LANGUAGE

English

Tamil

SKILLS

- **Cloud Platforms:** AWS, Microsoft Azure
- **Cost Optimization:** Resource Allocation, Auto Scaling, Reserved Instances, Spot Instances
- **Networking:** TCP/IP, DNS, DHCP, VPN, Routing & Switching, Firewall Management
- **Linux Administration:** Ubuntu, CentOS, Red Hat, Scripting (Shell, Python)
- **DevOps:** Jenkins, Ansible, Terraform, AWS CloudFormation
- **Containerization & Orchestration:** Docker, Kubernetes, OpenShift, AWS EKS
- **Programming:** Python, PHP, React Node, Java (Basics)
- **Web Server Management:** Nginx, Apache, Domain Management with Route 53
- **Version Control:** GitLab, GitHub
- **CI/CD Tools:** Jenkins, GitLab CI, SonarQube
- **Monitoring & Logging:** Prometheus, Grafana, Loki, Check_MK, ELK Stack (Elasticsearch, Logstash, Kibana)
- **Security:** VPC, IAM Policies, Network ACLs, Security Groups, Multi-Factor Authentication (MFA)
- **Infrastructure as Code:** Terraform, AWS CloudFormation
- **Testing Tools:** SonarQube
- **Database Management:** MySQL, PostgreSQL

PROJECTS

Cloud Infrastructure Automation and CI/CD Implementation :

Technologies: AWS (EC2, S3, VPC, RDS etc..), Jenkins, GitLab CI, Docker, Kubernetes, Terraform, Ansible

- Automated cloud infrastructure deployment using Terraform to provision AWS services like EC2, VPC, and S3, improving deployment speed and accuracy.
- Designed and developed CI/CD pipelines with Jenkins and GitLab CI to automate application builds, testing, and deployments.
- Managed containerized applications with Docker and orchestrated them using Kubernetes, ensuring high availability and efficient resource management.
- Reduced deployment times by 40% through automation and containerization, improving overall system performance.

Cloud Security and Monitoring :

Technologies: AWS (IAM, CloudWatch, Security Groups, VPC), Prometheus, Grafana, ELK Stack (Elasticsearch, Logstash, Kibana)

- Designed cloud security measures in AWS, including IAM policies, Security Groups, and VPC configurations, for secure access and data protection.
- Configured monitoring and alerting for cloud resources using Prometheus and built real-time dashboards in Grafana to track performance metrics.
- Deployed the ELK Stack for centralized logging and monitoring, improving log analysis and troubleshooting efficiency.

Containerization and Orchestration

Technologies: Docker, Kubernetes, AWS EKS, OpenShift

- Migrated applications to containerized environments with Docker and orchestrated them using Kubernetes and AWS EKS to enhance scalability and operational efficiency.
- Leveraged OpenShift for managing Kubernetes workloads, integrating DevOps tools for streamlined development and deployment workflows.
- Improved resource utilization and reduced downtime by automating scaling and self-healing capabilities in production environments.

Certificates:

- CCNA,CCNP,MCSA & Hardware and Networking(06/2014 - 08/2014
Completed coursework at SYSTECH Hardware & Networking (P) Ltd, an ISO 9001-2008 certified institute in Trichy.
- Certified Kubernetes Administrator(CKA) (29/09/2021)
I took a CKA course at online Udemy websites, with practicals in Kode Kloud Training.
- Microsoft Azure Essentials (02/01/2022)
I have completed an online course on Microsoft Azure Cloud Computing Basics.
- AWS Fundamentals
I've finished my online AWS Fundamentals course.