ARUN KUMAR A

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Professional Summary:

Experienced Cloud Engineer with 10 years of expertise in implementing and managing cloud solutions on platforms like OCI, AWS, and Huawei. Adept at deploying highly available, scalable, and secure cloud environments. Proficient in automating infrastructure deployments using tools like Terraform and Jenkins. Collaborative team player with a strong background in DevOps, cloud security and system administration.

Skills:

- **Cloud Platforms:** Oracle Cloud Infrastructure (OCI), AWS, Huawei, Azure
- **Certifications:** Oracle Cloud Infrastructure Architect Associate, AWS Certified Solutions Architect, Redhat
- **Infrastructure Automation:** Terraform, Ansible, Jenkins.Git
- **DevOps Tools:** Docker, Kubernetes, CI/CD Pipelines, helm
- **Programming:** Python, Bash, YAML
- **Database Management:** MySQL, MongoDB, PostgreSQL
- **Networking:** VCN, Subnets, Load Balancers, Security Lists, Firewalls
- **Monitoring & Logging:** Grafana, Prometheus, Portainer, OCI Monitoring and AWS Cloud watch
- **Operating Systems:** Linux (Ubuntu, RHEL), Windows
- **Version Control:** GitHub, GitLab

Professional Experience:

OCI and AWS Cloud Engineer
Axiom Telecom LLC, Dubai
April 2021 – Present

- Designed and deployed Virtual Cloud Networks (VCNs) with subnets, route tables, and security rules to ensure secure and efficient cloud operations on Oracle Cloud Infrastructure (OCI) and AWS
- Automated infrastructure provisioning using Terraform to streamline deployment processes and minimize human error across OCI and AWS platforms.
- Integrated and configured Oracle Cloud Load Balancers and AWS Application Load Balancers to ensure high availability and optimized performance for critical applications.

- Deployed and managed Kubernetes clusters for container orchestration, ensuring scalability, reliability, and efficient resource utilization.
- Monitored and optimized cloud resources using OCI Monitoring, AWS CloudWatch, Splunk, Datalog, Nagios, Grafana, and Prometheus to identify performance bottlenecks and reduce costs.
- Managed Docker-based applications, including Redis and etcd, with host network configurations to ensure secure and scalable containerized environments.
- Supported the implementation of AWS services, including EC2, S3, and VPC, to enhance multi-cloud deployments.
- Designed and implemented backup strategies using OCI Object Storage, AWS S3, and automated snapshots for databases and virtual machines to ensure data protection and disaster recovery readiness.
- Integrated OCI Web Application Firewall (WAF) for enhanced security, protecting web applications from DDoS attacks, SQL injections and common web exploits and ensuring data security.
- Create and maintain user's accounts, profiles, security, rights disk space and process monitoring.
- Provide technical support by troubleshooting day-to-day issues with various Servers on different platforms.
- Installed Red Hat Enterprise Linux using Kickstart and applying security policies for hardening the server based on the company policies.

DevOps Engineer
Fiserv India Pvt Ltd –Bangalore, India
May 2019 - March 2021

- Built CI/CD pipelines in Jenkins to automate testing, integration, and deployment processes for applications hosted on OCI, AWS and Huawei
- Set up monitoring dashboards for Docker-based applications and addressed issues with unavailable metrics in Grafana and AWS CloudWatch.
- Migrated on-premises databases to MySQL in OCI and AWS RDS, ensuring data integrity and minimizing downtime during migration.
- Enhanced security by implementing OCI IAM policies, AWS IAM roles, two-factor authentication, and fine-grained access controls.
- Worked with cross-functional teams to troubleshoot and resolve critical infrastructure issues in a timely manner across both OCI and AWS platforms.

System Administrator
Lucid IT Solutions Pvt Ltd, Bangalore, India
Dec 2014 – April 2019

- Managed the deployment and configuration of Linux servers, including Ubuntu and RHEL, for enterprise applications.
- Installed and configured various software packages, including web servers (Apache, Nginx), databases (MySQL)
- Automated routine tasks using shell scripting and cron jobs, significantly reducing manual intervention and increasing operational efficiency.

- Worked with external vendors to coordinate software and hardware upgrades, ensuring systems stayed current and secure.
- Participated in system audits and security assessments, identifying vulnerabilities and implementing patch management procedures to enhance overall system security
- Implemented SFTP configurations for secure file transfers and resolved permission and timestamp issues effectively.
- Performed regular system backups and disaster recovery drills to ensure data security and business continuity.
- Provided 24/7 technical support to internal teams and clients, resolving critical infrastructure issues and minimizing system downtime

Certifications:

- Oracle Cloud Infrastructure Architect Associate
- AWS Certified Solutions Architect

Education:

- Bachelor's degree in Engineering (B.Tech) in Computer Science
  Anna University, Tamil Nadu, India | Apri 2013

Personal Details:

- **Date of Birth**: 03-06-1989
- **Languages**: English, Tamil, Malayalam (basic), Hindi (basic).