

Amit Kumar

74 IOC Road Chandkheda

Ahmedabad

8854959346

amitrawal830@gmail.com

LinkedIn:

www.linkedin.com/in/amit-k-3456a01ba

OBJECTIVE

A dedicated and detail-oriented IT professional with a Bachelor's degree in Computer Applications and Seeking a challenging position as an AWS/Linux System Administrator where I can leverage my expertise in cloud computing, automation, and infrastructure management to optimize system performance, enhance security, and contribute to the seamless operation of enterprise environments.

EDUCATION

B.N , PG COLLEGE, Udaipur(Raj) — BCA

Professional Experience

Web Hosting Support Engineer

ANALYTIX solution | [2021 to 2024] (3 Years)

- Managed end-to-end web hosting services, including domain registration, DNS configuration, and website deployment.
- Configured and maintained web servers (Apache, Nginx) and optimized performance for high availability.
- Implemented website backups, SSL certificate installations, and security protocols.
- Troubleshoot hosting-related issues, ensuring minimal downtime and fast recovery.
- Managed cPanel, WHM, and hosting control panels for account management.
- Integrated CDN services and optimized website performance for global reach

Cloud Intern

GRRAS Solutions Pvt. Ltd. | May 2024 - November 2024

- Assisted in cloud infrastructure setup and management using AWS services such as EC2, S3, CloudFront, and CodePipeline.
- Automated CI/CD pipelines, enabling faster application deployment and reducing downtime.
- Implemented security best practices, including access control and data protection measures.
- Managed Linux user accounts, configured permissions, and enforced security policies.
- Collaborated with cross-functional teams to deploy and manage scalable cloud-based applications

Linux Skills:

Linux Skills

1. User Management & Permissions:

- Expertise in managing Linux user accounts, setting file and directory permissions using `chmod`, `chown`, and `chgrp` for secure access control.

2. Account & Password Expiration:

- Configured account expiration and password policies using `chage` to enforce password expiration, lock inactive accounts, and set expiration dates.

3. Process & System Monitoring:

- Proficient in managing processes and system resources using `ps`, `top`, `htop`, and tuning performance.

4. SSH & Remote Management:

- Managed secure remote access using SSH, configured key-based authentication, and hardened server security.

5. Shell Scripting:

- Automated administrative tasks using Bash scripting for system maintenance, backups, and monitoring.

6. File Archiving & Backup:

- Skilled in data backup and archiving using `tar`, `rsync`, and automated backups

through `cron` jobs.

PROJECTS

*Project: Automated Static Website Deployment using AWS

- **Technologies:** S3, GitHub, CodePipeline, CloudFront, Route 53
- **Description:** Developed and deployed a fully automated static website using AWS services. Integrated GitHub for version control, CodePipeline for continuous integration and deployment, S3 for static file hosting, CloudFront as a CDN for faster content delivery, and Route 53 for domain management and DNS routing.
- **Outcome:** Improved deployment speed and website performance with automated processes and global content delivery, ensuring high availability and scalability.

*Project: Scalable Web Application on AWS EC2

- **Technologies:** EC2, Elastic Load Balancer (ELB), Auto Scaling, CloudWatch
- **Description:** Designed and deployed a scalable web application using Amazon EC2 instances with Load Balancing and Auto Scaling. Implemented Auto Scaling to dynamically adjust the number of EC2 instances based on traffic patterns, and configured an Elastic Load Balancer to distribute incoming traffic for improved availability and fault tolerance.
- **Outcome:** Enhanced application reliability by ensuring high availability, automatic failover, and optimal performance under varying traffic loads.

SKILLS

AWS SERVICES

AWS Cloud Services Exposure

- **Compute & Networking:** EC2, VPC, Elastic Load Balancer, Auto Scaling, Route 53, CloudFront (CDN)
- **Storage & Databases:** S3, RDS, DynamoDB
- **Security & Management:** IAM, CloudWatch, SNS
- **DevOps & Automation:** CloudFormation (basic), Lambda (basic)

LANGUAGES

ENGLISH

HINDI

7. Swap Memory Management:

- Configured and managed swap memory, monitored usage, and optimized system performance.

8. Service Management:

- Managed and configured system services using `systemctl` and service scripts for various Linux services.

9. Podman & Container Management:

- Experienced in managing containers with Podman, creating, running, and managing containerized services.

10. Software Repositories & Package Management:

- Managed repositories, installed and updated software using `YUM`, `DNF`, and `RPM` package managers.

11. Partitioning & Mounting:

- Configured disk partitions, mounted file systems, managed logical volumes (`LVM`), and ensured proper storage management.
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