Mayur Dhotre

Cloud Engineer

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OBJECTIVE: Detail-oriented and results-driven Cloud Engineer with hands-on experience in cloud services, automation, and CI/CD pipelines. Seeking to leverage expertise in Docker, Kubernetes, and AWS to optimize workflows and enhance system scalability and reliability in a dynamic team environment.

WORK EXPERIENCE:

Cloud Intern @ Hisan Labs (pune)

Nov-2023 to Present

Hisan Labs is a technology company specializing in providing innovative IT solutions, including cloud services, application development, and system integration.

KEY SKILLS:

- **Cloud Platforms:** AWS (EC2, S3, VPC, IAM, Route53, RDS)
- **Networking:** VPC Design, Security Groups, ACLs
- **Monitoring & Logging:** AWS CloudWatch, Grafana, Prometheus
- **Version Control:** Git, GitHub
- **Operating Systems:** CentOS, Ubuntu, Amazon Linux
- **Infrastructure as Code:** Terraform
- **Containerization:** Docker
- **Orchestration:** Kubernetes
- **CI/CD Tools:** Jenkins

ROLES & RESPONSIBILITIES:

Aws Cloud:

o **Cloud Infrastructure Management**

- Design, deploy, and manage scalable and secure AWS cloud infrastructure to support application workloads.

o **Compute Resource Management:**

- Provision and manage EC2 instances to support application deployment, ensuring optimal performance and cost efficiency through instance sizing and auto-scaling configurations.

o **Storage Management:**

- Configure and manage S3 buckets for data storage, including setting up lifecycle policies, versioning, and access control to ensure data security and availability.

- o **Networking Configuration:**
  - Design and configure VPCs with public and private subnets, implementing network security measures to protect cloud resources.

- o **Monitoring and Performance Tuning:**
  - Implement monitoring solutions using AWS CloudWatch, Grafana, and Prometheus to track system performance and proactively address issues.

- o **Security and Compliance:**
  - Manage IAM roles, policies, and security groups to enforce security best practices and ensure compliance with organizational standards.

- o **Cost Management:**
  - Monitor and optimize AWS resource usage to manage costs effectively, implementing best practices for resource allocation.

- o **Collaboration and Support:**
  - Collaborate with development and operations teams to streamline workflows, troubleshoot issues, and enhance system reliability.

DevOps Methodology:

- o **Containerization and Orchestration:**
  - Developed Dockerfiles for containerizing applications, enabling consistent and portable deployments across various environments.

- o **Infrastructure as Code:**
  - Created and maintained Terraform scripts to provision and manage AWS resources, including Ec2, RDS, and VPC.

- o **Continuous Integration/Continuous Deployment (CI/CD):**
  - Designed and optimized Jenkins pipelines for automating build, test, and deployment processes, resulting in a 40% reduction in deployment errors and faster release cycles.

- o **Monitoring and Logging:**
  - Implemented monitoring solutions using Grafana and Prometheus, enabling proactive identification of system performance issues and reducing downtime.

Linux System Administration:

- o **System Administration:**
  - Managed multiple Linux servers (CentOS, Ubuntu, Amazon Linux), ensuring optimal performance and security through regular updates and patch management.
  - Configured and maintained user accounts, groups, and permissions to enforce security policies and access controls.

- o **Performance Monitoring and Optimization:**
  - Monitored system performance using tools like top, htop, and netstat, identifying and resolving performance bottlenecks to enhance system efficiency.

- o **Security Management:**
    - Secured Linux systems by implementing firewalls , SELinux policies, and configuring Sudo privileges to restrict unauthorized access.
- o **Automation and Scripting:**
    - Developed shell scripts to automate routine tasks, such as system monitoring, backups, and log management, reducing manual intervention and errors.
    - Scheduled automated tasks using cron, ensuring timely execution of maintenance scripts and backups.
- o **Troubleshooting and Support:**
    - Provided support for troubleshooting issues in Linux environments, resolving incidents related to system performance, application deployment, and network connectivity.
    - Collaborated with development teams to diagnose and fix application-related issues in production environments.

EDUCATION:

- **Bachelor of Computer Engineering**   (2019-2023)
  Indira College of Engineering & Management.   (Pune, Maharashtra)

PERSONAL DETAILS:

- **Date of Birth:**   **15 Sep 2002**
- **Language:**   **Marathi, Hindi, English**