**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:**

* **Cloud Infrastructure Management**
* Design, deploy, and manage scalable and secure AWS cloud infrastructure to support application workloads.
* **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.
* **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.
* **Networking Configuration:**
* Design and configure VPCs with public and private subnets, implementing network security measures to protect cloud resources.
* **Monitoring and Performance Tuning:**
* Implement monitoring solutions using AWS CloudWatch, Grafana, and Prometheus to track system performance and proactively address issues.
* **Security and Compliance:**
* Manage IAM roles, policies, and security groups to enforce security best practices and ensure compliance with organizational standards.
* **Cost Management:**
* Monitor and optimize AWS resource usage to manage costs effectively, implementing best practices for resource allocation.
* **Collaboration and Support:**
* Collaborate with development and operations teams to streamline workflows, troubleshoot issues, and enhance system reliability.

**DevOps Methodology:**

* **Containerization and Orchestration:**
* Developed Dockerfiles for containerizing applications, enabling consistent and portable deployments across various environments.
* **Infrastructure as Code:**
* Created and maintained Terraform scripts to provision and manage AWS resources, including Ec2, RDS, and VPC.
* **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.
* **Monitoring and Logging:**
* Implemented monitoring solutions using Grafana and Prometheus, enabling proactive identification of system performance issues and reducing downtime.

**Linux System Administration:**

* **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.
* **Performance Monitoring and Optimization:**
* Monitored system performance using tools like top, htop, and netstat, identifying and resolving performance bottlenecks to enhance system efficiency.
* **Security Management:**
* Secured Linux systems by implementing firewalls , SELinux policies, and configuring Sudo privileges to restrict unauthorized access.
* **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.
* **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**