SOHAM PATIL

DEVOPS ENGINEER

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OBJECTIVE

Expert in designing, deploying, and maintaining CI/CD pipelines. Highly skilled in using AWS services, automation tools and delivering scalable and reliable services. Seeking to contribute continuous improvement, innovation, delivering high-quality solutions with reduce costs and enhance system performance through innovative DevOps practices and tools.

PROFESSIONAL EXPERIENCE

Hisan Labs Pvt Ltd, Pune, India
Dec 2023 – Present

ROLES AND RESPONSIBILITIES

- Experienced in using Git for **version control**, including branching, merging, rebasing, and resolving conflicts. Apart from this experienced in managing pull request.
- Containerize applications, using **Docker** for consistent development and deployment environments. Developed Dockerfiles to build lightweight and efficient container images, optimizing resource utilization and application performance.
- Orchestrated containerized applications using **Kubernetes**. Ensured container security and compliance with best practices. Deployed, managed and scaled containerized applications in Kubernetes clusters. Configured and managed K8s resources such as pods, deployments, services and ingresses for microservices.
- Implemented monitoring, logging and alerting solutions for K8s Clusters I used **Prometheus** and **Grafana**.
- Skilled in writing **Terraform** configuration files and reusable modules to automate the setup of cloud resources particularly in AWS. Manage Terraform state files and ensure they are properly backed up and secured.
- Integrated **Jenkins** Pipeline with version control systems, artifact repositories using Declarative Pipeline syntax to automate the software project lifecycle build, test, and deployment.
- Build configurations using **Apache Maven** integrating them into CI/CD pipelines for automated builds and releases.
- Integrated **SonarQube** with CI/CD pipelines to automate code quality checks. Analyzed code quality metrics, identified code smells, bugs and vulnerabilities.
- Provisioned and managed **AWS** resources including **EC2 instances, S3 buckets, RDS databases, and IAM roles** using AWS Management Console and CLI. Experienced in creating and managing IAM roles, policies and groups with permission boundaries within AWS environments.
- Set up monitoring and logging solutions using **AWS CloudWatch**, also setup and configure **VPC** and Deployed and configured application on **EKS**.
- Configured and managed **Route 53** for DNS management, including domain registration, hosted zones. Experienced working with routing policies such as Simple, Latency-Based and Geolocation routing etc…

- Deployed and managed RDS instances for various database engines including **MariaDB**, **PostgreSQL** etc. Configured automated backups, snapshots, and multi-AZ deployments for high availability.
- **File System Management:** Configured file systems, mount/unmount storage devices, disk partitioning and LVM
- **System Security:** Implemented various security measures such as firewalls, access control list permissions, and SELinux to safeguard systems against potential threats.
- **Network Configuration:** Set up and manage network interfaces, IP addressing and routing.
- **Network Services:** Configured essential network services like HTTP/HTTPS, SSH, NFS and FTP
- **Backup Strategies:** Implemented backup strategies using tools like tar, cronjobs and automated backup solutions.
- **Shell Scripting:** Basic understanding of shell scripting and wrote basic scripts for automation with the help of cronjobs.

Skill Set	Tools & Services
Version Control:	Git, GitHub and Gitlab
Containerization Tools:	Docker
Container Orchestration:	Kubernetes
Infrastructure as Code (IaC):	Terraform, CloudFormation
Configuration Management:	Ansible
CI/CD Pipelines:	Jenkins CI/CD, GitLab CI/CD
Monitoring Tools:	Prometheus, Grafana & CloudWatch (AWS)
AWS Services:	IAM, EC2, VPC, S3, RDS, R53, EFS, EKS & CloudFront
Linux Administration:	Linux (Ubuntu, CentOS, RHEL) System configuration, network management
Web Servers:	HTTPD, Nginx and Apache-Tomcat
Programming Language:	BASH, Python

EDUCATION

Bachelor of Management Studies
Sathaye College, vile Parle,
Mumbai University, Mumbai
July 2023

DECLARATION:

I hereby confirm that the above information is true and accurate to the best of my knowledge and belief.

Signature
Soham Patil