MAGESH G
DevOps Enginner

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AWS certified Cloud Practitioner FOUNDATIONAL

SKILLS

- Cloud Platforms: AWS, GCP.
- Containerization and Orchestration: Docker, Kubernetes.
- CI/CD Tools: Jenkins, GitHub Actions Configuration, Code pipeline
- Management: Ansible Scripting and Programming
- Languages: Shell, Python, yaml
- Monitoring and Logging: Cloud watch, monitoring.
- Security and quality assurance tools: Sonarcloud, SonarQube, Sonarlint.
- Version Control Systems: Github, bit bucket, code commit
- Infrastructure as Code (IaC): Terraform, CloudFormation
- Database Management: MySQL, PostgreSQL, mongo db
- Security Best Practices: IAM Roles, Security Groups
- Networking basics

PROJECT

Project : Companion

- Migrated the database from PostgreSQL 12 to PostgreSQL 16.
- Hosted UI content using Tomcat on Hetzner Cloud.
- Implemented log rotation using cron jobs to manage logs efficiently
- Migrated applications from CentOS 7 to CentOS 9

Project : Jesus Call

- Installed Subversion (SVN) as a free source version control system.
- Deployed Mantis for bug tracking.
- Configured automated backups for SVN repositories and Mantis MariaDB in cloud storage.
- Integrated Kong Konnect as the API gateway for microservices.
- Implemented Prometheus for application monitoring and performance tracking

LANGUAGES

- English
- Tamil
- Telugu
- Hindi

PROFESSIONAL SUMMARY:

A highly dynamic and results-driven DevOps Engineer with two years of hands-on experience in designing, implementing, and optimizing CI/CD pipelines, cloud infrastructure, and automation workflows. Proficient in leveraging industry-leading tools like Docker, Kubernetes, and Jenkins to enhance development, testing, and deployment efficiency. A collaborative team player with a proven track record of delivering scalable, resilient, and high-performance solutions that align seamlessly with business objectives.

PROFESSIONAL EXPERIENCE:

Mavens-i   **Dec 2022 - present**
Devops Engineer
Project : Healthtraze.

- Reduced 65% of total cost using Lambda automation.
- Hosted UI content with Amazon S3, CloudFront, and Route 53.
- Implemented auto-scaling for backend applications using ECS
- Managed whitelist and blacklist using AWS WAF with rate-based API call restrictions.
- Configured API Gateway as an intermediary between the Load Balancer and UI content.
- Installed PostgreSQL on EC2 instances instead of RDS for cost optimization.
- Hosted backend applications in a private subnet within a VPC.
- Used a bastion instance to securely connect to the database in the private subnet.
- Configured CloudWatch for application logs and error tracking.
- Set up cron jobs to delete database logs and manage application logs.
- Provided customized CodeCommit access, granting developers commit access and team leads merge access, with automated email notifications for merge requests.
- Established an end-to-end CI/CD pipeline from development to production.
- Automated S3 bucket, VPC, and EC2 instance creation for multiple environments using Terraform.

EDUCATION

- Bachelor of Commerce in corporate secretary, A.M Jain College, Completed in 2022.

- Hindustan University, Master of Computer Applications in Data Science and Ai - Present.