

PRAMOTH A R

DEVOPS ENGINEER



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About Me

DevOps Engineer having 6 years experience in cloud technology on various tools not limited to GIT, Kubernetes, Docker, Ansible, Jenkins, Terraform, Lambda, Sonarqube, Maven, Jira, Loki, Grafana | Majority of AWS Common Services | 4X AWS Certified | Automation enthusiast | Committed to utilizing my skills to help others, while working towards the mission of a company

Experience

Mobile Programming pvt ltd.

April 2024- till date

Client : HID GLOBAL

Role : Devops Engineer



- Transitioning workloads from on-demand to spot instances in AWS, leveraging mixed instance policies in Auto Scaling Groups for cost savings while ensuring high availability.
- Building and managing CI/CD pipelines for Android and iOS applications using Jenkins, AWS CodePipeline, and CodeBuild, automating builds, artifact storage, and deployment.
- Managing infrastructure with Terraform, including VPC setup and AWS resource provisioning, for consistent, scalable, and automated environment creation.
- Utilizing Ansible for automated configuration management across multi-environment deployments, including tasks for Kubernetes, EC2 instances, and secure file transfers across different systems.
- Strengthening security through IAM role management, secret handling in Jenkins, and encrypted file storage, with HSM and KMS integrations for secure key management.
- Setting up robust monitoring with Grafana, OpenSearch, and CloudWatch for visibility into infrastructure, application performance, and security metrics.
- Managing containerized applications with Docker and Amazon ECS, including automated Docker image builds and ECR integration via Jenkins pipelines.
- Establishing AWS mac instances for iOS development, creating AMIs with Xcode and essential tools, and automating iOS build processes for consistent artifact generation stored in S3.
- Developing serverless workflows with AWS Lambda in VPC configurations, integrating with ECS and other AWS services, optimizing cost and performance for event-driven applications.

Previous Experience

Pepul Tech Pvt Ltd.

Role : Devops Engineer

Nov 2022- Dec 2023

- Actively engaged in cross-team strategic initiatives to set and achieve organizational goals, leveraging analytical techniques to turn insights into actionable results for increased effectiveness.
- Designed and developed serverless applications from scratch to dynamically process assets, contributing to efficient data handling and application performance.
- Provided technical support to development teams, addressing key challenges and implementing automation solutions to streamline workflows and enhance productivity.
- Built Jenkins CI/CD pipelines from scratch, integrating tools like Gradle, SonarQube, Git, Docker, Kubernetes, Prometheus, and Grafana for efficient, automated development and deployment.
- Designed and maintained customizable Terraform manifests for infrastructure provisioning across various teams, facilitating automated and scalable deployments.
- Collaborated with operations teams to ensure on-time, continuous deployments through infrastructure automation, meeting deployment deadlines and reducing manual workload.
- Led efforts to migrate application workloads from hybrid environments to the cloud, enhancing scalability and performance.
- Set up Kubernetes clusters from scratch, configuring routing, security, and monitoring using Helm and YAML charts to ensure robust and secure environments.

Previous Experience

Shine Digital Solutions Pvt Ltd.

Client : Vocus Group Limited

Role : Devops Engineer

Oct 2020 - Oct 2022

- Built and maintained Jenkins-based CI/CD pipelines, integrating tools like Maven, SonarQube, GitHub, Docker, and ECR/Nexus to ensure high-quality code and streamlined deployments.
- Worked closely with developers to manage GitHub repository versioning, troubleshooting issues to support efficient development workflows.
- Deployed applications on Kubernetes clusters using Kops, implementing security measures for pods, nodes, and services.
- Created and managed AWS infrastructure using Terraform, ensuring scalability and alignment with application needs.
- Configured backups for CI/CD, logs, and configuration files using S3, implemented lifecycle rules, and managed EC2 snapshots to optimize AWS usage and resource availability.

Previous Experience

Shine Digital Solutions Pvt Ltd.

Client : Markel Corp Limited

Role : AWS Engineer

Oct 2018 - Sep 2020

- Designed and deployed numerous applications on AWS, utilizing services such as EC2, ECS, Route 53, S3, RDS, SNS, and SQS to achieve high availability, fault tolerance, and auto-scaling.
- Configured Elastic Load Balancers (ELB) and Route 53 with failover and latency-based routing for optimized availability and fault tolerance.
- Managed S3 buckets via CLI for DB and log backups, configured and monitored RDS databases, and utilized CloudWatch and SNS for proactive server monitoring.
- Automated infrastructure setup with AWS CI/CD tools and created custom VPCs, enabling streamlined network configuration for application-specific requirements.
- Oversaw AMI, snapshot, and volume management, handled resource scaling (CPU, Memory, EBS), and managed AWS billing and user access.

Education

**RMK Engineering College
(Anna University)**

2012-2016

Bachelor of Engineering in electrical and electronics engineering

Languages

English

Tamil

Telugu

Hindi

Expertise

- Docker , kubernetes , Helm
- Terraform , Cloud formation
- Ansible
- Jenkins, Github Actions , Code build
- Maven, Gradle
- Sonarqube, Trivy
- Github, Bitbucket, Nexus
- Grafana, Prometheus, Cloudwatch
- Lambda and SAM
- AWS Services

Reference

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PEPUL TECH