MOHAMMAD GAYASUDDIN
DevOps Engineer

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Summary

DevOps Engineer with hands-on experience building CI/CD pipelines, managing multi-cloud infrastructure, and implementing monitoring across AWS and Google Cloud Platform. Experienced in containerization, deployment automation, and reliability improvements using tools like Docker, Jenkins, Prometheus, and Grafana. Focused on improving deployment efficiency, system visibility, and infrastructure scalability in production environments.

Skills

Cloud Platform: Google Cloud Platform (GCP), Amazon Web Services (AWS)
DevOps Tools: CI/CD, Docker, Kubernetes, Linux, MySQL, Jenkins, ELK, Prometheus, and Grafana
Infrastructure Migration: Lift-and-Shift Migration, Velostrata, AWS DMS, AWS SMS, VM Migration
Cost Optimization: Auto Scaling, Load Balancing, Cost Explorer analytics, Billing Management, Monitoring

Experience

DevOps Engineer   **Oct 2024 – Present**
Kommunicate   *Remote (Bengaluru)*

- Designed and maintained CI/CD pipelines to automate application build, test, and deployment workflows.
- Optimized cloud infrastructure by migrating services from AWS to GCP, improving performance and scalability.
- Monitored infrastructure health using CloudWatch and Cloud Monitoring, maintaining 99.5% application uptime.
- Collaborated with cross-functional teams to troubleshoot production issues and improve overall platform reliability.
- Achieved 25% reduction in overall operational costs while significantly improving system availability and scalability.
- Improved compliance management by overseeing Sprinto tasks, automating security controls and audit readiness, and enhancing project tracking and team productivity by 10%

Projects

Streaming CI/CD Pipeline | *CodePipeline, Cloud Build*

- Streamlined a continuous integration and continuous deployment pipeline to deploy an application.
- Automated deployment and monitoring using AWS CodePipeline, Elastic Beanstalk, and CloudWatch, with integrated load balancing to ensure high availability and real-time application performance insights.
- Reduced manual effort by 50% through an optimized CI/CD pipeline, leveraging AWS Elastic Beanstalk automation and monitoring features to improve system reliability and operational efficiency.

Real-Time Monitoring | *Prometheus, Grafana*

- Implemented a Prometheus monitoring system for continuous health checks and automated downtime alerts.
- Utilized Blackbox Exporter for external service monitoring and Node Exporter for in-depth hardware and OS metrics, providing comprehensive visibility into application and infrastructure performance.
- Configured Prometheus Alertmanager for efficient alerts and issued email notifications, enhancing reliability.

Cloud Workload Migration | *AWS, GCP*

- Migrated cloud workloads including VM, databases, storage, and serverless services from AWS to Google Cloud Platform using Velostrata, ensuring minimal downtime and service continuity.
- Implemented a lift-and-shift migration strategy, enabling real-time workload mobility while improving infrastructure scalability and reducing operational costs.

Certifications

- Azure Fundamentals
- Oracle Cloud Infrastructure Certified Architect Associate
- Oracle Cloud Infrastructure Certified DevOps Professional

Education

B.Tech CSE   **Graduated: 2024**
Motihari College of Engineering, Motihari   *CGPA: 7.5 / 10*