Hussian Basha Sheik

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SUMMARY

Dynamic DevOps Engineer with expertise in **cloud technologies**, **automation**, and **CI/CD pipeline development**. Proficient in **AWS**, **Terraform**, **Kubernetes**, **Docker**, and **infrastructure as code** (IaC). Proven ability to optimize **system performance**, automate key processes, and manage **scalable containerized environments**. Strong track record of driving **efficiency**, reducing **operational overhead**, and enhancing **system scalability** using **cloud-native solutions** and **DevOps best practices**.

SKILLS

- **Cloud Platforms**: AWS (EC2, S3, VPC, Route 53, ELB), GCP
- **CI/CD Tools**: Jenkins, GitLab CI/CD, Argo CD
- **Containerization & Orchestration**: Docker, Kubernetes, Helm
- **Infrastructure as Code (IaC)**: Terraform, Ansible
- **Version Control**: Git, GitHub
- **Scripting Languages**: Python, Bash
- **Security**: SAST, DAS, OWASP ZAP
- **Monitoring & Logging**: Prometheus, Grafana, ELK Stack
- **Operating Systems**: Linux (Ubuntu, CentOS, Red Hat)
- **Databases**: MySQL, PostgreSQL

PROJECTS

End-to-End CI/CD Pipeline Implementation

Technologies: Jenkins, Docker, Kubernetes, Java, Argo CD

- Developed and deployed an automated **CI/CD pipeline** for a Java-based web application, reducing deployment speed.
- Integrated **unit testing**, **static code analysis (SAST)**, and **dynamic application security testing (DAS)**, improving code quality and reducing production bugs.
- Automated **Docker image creation** and **deployment** using **Kubernetes** and **ArgoCD**, streamlining deployment processes and boosting **system reliability**.
- Enforced **rollback strategies** for failed deployments, ensuring high system uptime during production updates and **speeding recovery.**

Three-Tier Architecture Implementation on AWS

Technologies: AWS (EC2, VPC, ELB, Route 53, S3, Auto Scaling), Terraform

- Architected and deployed a **highly available three-tier architecture** on **AWS**, ensuring **scalability**, **fault tolerance**, and **resilience** for the application.
- Automated **infrastructure provisioning** using **Terraform**, reducing **manual setup time** and ensuring **consistency** and **reproducibility** in deployment.

- Configured **Elastic Load Balancer (ELB)** and **Auto Scaling** to handle **dynamic traffic** and maintain **optimal performance** under varying loads.
- Integrated **CloudWatch** for **real-time monitoring** and **alerting**, improving **system responsiveness**, **operational visibility**, and **proactive issue resolution**.

Multi-Cluster CI/CD Pipeline with Kubernetes

Technologies: Kubernetes, Docker, GitLab CI/CD, Helm, Terraform, AWS, Azure

- Designed and implemented a **multi-cluster CI/CD pipeline** to efficiently deploy **microservices** across **AWS** and **Azure Kubernetes clusters**, improving **deployment speed** and **scalability**.
- Streamlined deployment workflows using **Helm**, reducing **deployment errors** and ensuring **consistency** across environments.
- Automated **Terraform-based infrastructure provisioning**, accelerating **setup time** and improving **operational efficiency**.
- Integrated **Prometheus** and **Grafana** for **real-time system monitoring**, enhancing **performance tracking** and reducing **unplanned downtime** by enabling faster **issue detection** and **resolution**.

EDUCATION

Bachelor of Technology in Information Technology *2019 – 2023*

ANITS Engineering College

- Relevant Coursework : Cloud Computing, Software Engineering, Automation.

CERTIFICATIONS

- Solutions Architecture Job Simulation – Forage
- Python – Hacker Rank (Advanced)
- MySQL – Hacker Rank (Intermediate)