

Suhail Menda

SITE RELIABILITY ENGINEER | DEVOPS ENGINEER

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SKILLS

- Cloud Platforms: **Amazon Web Services**
- Containerization: **Docker**
- Configuration Management: **Ansible**
- CI/CD: **Jenkins, GitHub Actions, ArgoCD**
- Infrastructure as Code: **Terraform, Cloudformation**
- Container Orchestration: **Kubernetes, EKS**
- Monitoring & Logging: **Prometheus, Grafana**
- Scripting & Programming: **Bash, Python**

EDUCATION

Northern College, *Mobile Application Development* | Toronto, Canada Current
Gujarat Technological University, *Bachelors of Engineering* | Gujarat, India Aug 2020

EXPERIENCE

Crest Data Systems | Ahmedabad, India May 2021 - July 2023

- Migrated 50+ Splunk stacks from **On-premises to AWS** and Cloud stacks to other AWS regions, ensuring **zero data loss and minimal downtime** by combining manual methods with automation through scripts I developed in **Python**.
- Transitioned customers from classic stacks to **scalable** architectures using **Terraform, Auto Scaling Groups (ASG)**, and **Ansible**, optimizing costs while meeting growing demands.
- Provisioned a large **multiregion** PayPal stream processing stack with Apache Pulsar and Flink, all in a **Kubernetes** cluster. Developed dashboards using **Prometheus** metrics for effective cluster monitoring.
- Used **Terraform** to create new stacks, triggering the deployment process through **Jenkins**, while designing and implementing CI/CD pipelines that automated the build and test processes for new applications, deploying them with **Ansible**.
- Performed maintenance on the PayPal Kubernetes cluster, serving as the primary **point of contact during incidents**, managing **new version rollouts** for Apache Pulsar, Flink, and Kubernetes, and participating in **24/7 on-call support**.
- **Architected** and executed end-to-end support for **peak event operations** during Black Friday at PayPal, successfully **mitigating a DDoS** attack on the same day while managing high server loads and ensuring **GB/s data processing** capabilities.

PROJECTS

Scalable 3-Tier Application

- Infrastructure Automation and CI/CD: Leveraged Terraform for provisioning AWS resources and configured Jenkins, ArgoCD, and GitLab pipelines to automate CI/CD workflows.
- Utilized Docker for containerization and orchestrated deployments with Kubernetes on EKS, while integrating SonarQube for static code analysis and Nexus as a centralized repository manager.

Multiple Microservices

- Pipeline Orchestration and Automation: Orchestrated 12 Jenkins pipelines for 11 CI workflows and 1 CD pipeline, implementing webhook automation for seamless build, test, and deployment actions upon code changes.
- Containerization and Security: Utilized Docker for microservice containerization and integrated Trivy vulnerability scanner into CI/CD pipelines, while employing Terraform and Ansible for automated Kubernetes cluster provisioning and configuration.