Simon Daniel
Junior Cloud DevOps Engineer
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SUMMARY

Cloud & DevOps Engineer with hands-on experience in automating AWS infrastructure using Terraform, building CI/CD pipelines, and deploying containerized applications using Docker and Kubernetes. Strong foundation in AWS services, monitoring with CloudWatch and Prometheus, and automation using Jenkins and GitHub Actions. Seeking entry-level Cloud / DevOps roles to apply real-world project and internship experience.

SKILLS

Cloud Platforms: AWS, GCP, AZURE
AWS Services: EC2, VPC, ALB, RDS, S3, IAM, Route 53, ACM, CloudWatch, Lambda, SNS, SQS
Cloud Security : WAF, Shield, GuardDuty, Inspector, Secrets Manager, KMS
Infrastructure as Code (IaC): Terraform
CI/CD & Automation: Jenkins, GitLab CI/CD, GitHub Actions
Build & Configuration Management : Maven, Ansible
Monitoring Logging & Alerting: Prometheus, Grafana, Splunk , CloudWatch Alerts, PagerDuty, Slack
Scripting & Automation: AWS CLI, Lambda Functions
Containers & Orchestration: Docker, Kubernetes (EKS)

CERTIFICATIONS

AWS Certified Solution Architect (SAA-C03) — Amazon Web Services
Verify : **https://www.credly.com/badges**

AWS Certified Cloud Practitioner (CLF-C02) — Amazon Web Services
Verify : **https://www.credly.com/badges**

PROFESSIONAL EXPERIENCE

AWS DevOps Engineer Intern | CloudNexa Solutions Pvt Ltd   Jul 2025 – Dec 2025

- Worked on automating AWS infrastructure (EC2, RDS, VPC, ALB) using Terraform modules for easy and and consistent deployments.
- Assisted in building **CI/CD pipelines** using **Jenkins, GitLab CI/CD, and GitHub Actions** to automate build and deployment processes.
- Deployed and managed **containerized applications** using **Docker** and **Kubernetes (EKS)** with rolling updates.
- Configured **monitoring and alerting** with **CloudWatch, Prometheus, Grafana, and SNS** to track system performance and notify issues in real time.
- Supported **cost optimization activities** by creating **S3 lifecycle policies** and automating cleanup using **Lambda functions**.
- Gained exposure to **multi-cloud platforms** like **Azure and GCP**

PROJECTS

1. **Gold Website Hosted on AWS (3-Tier Architecture)**
    Tools : AWS (EC2, ALB, RDS, S3), Terraform, Jenkins CI/CD
- Designed and deployed a 3-tier gold selling website using EC2 (frontend + backend),RDS MySQL, and an Application Load Balancer.
- Automated the entire infrastructure using Terraform with production-ready modules.
- Implemented CI/CD pipelines using Jenkins for automated and zero-downtime deployments.
- Configured CloudWatch monitoring, IAM security and S3-based backup automation.
- Delivered a scalable and secure web platform for publishing, managing, and selling gold products online.

2. **Automated Gold Price Notification System (AWS SNS Subscription Project)**
    Tools : AWS SNS, Lambda/Python, Docker, Terraform
- Built an automated workflow that fetches live gold prices from an external API and sends alerts to SNS email/SMS subscribers daily.
- Developed Python automation using Requests and Boto3 for secure data retrieval and publishing.
- Managed SNS topics, IAM roles, and Lambda automation using Terraform.
- Achieved faster deployments and improved environment consistency.
- Scheduled daily execution at 8 AM, ensuring 100% automated and reliable notifications.

3. **Kubernetes-based Gold Price Processing System (CronJob + Docker + EKS)**
    Tools: Kubernetes (EKS), Docker, Python
- Containerized the gold price processing Python application using Docker and deployed it on AWS EKS.
- Configured a Kubernetes CronJob to run daily, fetch live price data, and trigger processing workflows.
- Secured secrets, API keys, and IAM access using IRSA and Kubernetes Secrets.
- Used Kubernetes features like CronJobs, automatic retries, and pod restarts to ensure the application always runs without failure.

EDUCATION

B.Tech, St. Martin's Engineering College - Hyderabad