

SHAHZAIB MEHMOOD

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SUMMARY

DevSecOps-focused DevOps Engineer with 2+ years of hands-on experience in AWS infrastructure, CI/CD automation, Docker-based deployments, Terraform/CloudFormation, and security scanning workflows. Skilled in integrating SonarQube, OWASP ZAP, Snyk, Trivy, and Checkov into Jenkins and GitHub Actions pipelines to improve code quality, vulnerability detection, and secure release processes. Experienced in supporting continuous compliance with Vanta/JumpCloud, proactive cloud monitoring, and cloud cost visibility workflows.

TECHNICAL SKILLS

Cloud & Infrastructure: AWS EC2, VPC, S3, IAM, ECS, ECR, Lambda, EventBridge, SNS, Route 53, VMware

Infrastructure as Code & Configuration: Terraform, AWS CloudFormation, Ansible

Containerization & Orchestration: Docker, Docker Compose, Kubernetes basics (Pods, Deployments, Services, Ingress)

CI/CD & Automation: Jenkins, GitHub Actions, GitHub OIDC, Git, GitHub, Bitbucket

DevSecOps & Security: SonarQube, Snyk, Trivy, Checkov, OWASP ZAP, HashiCorp Vault, Nessus, Nmap, Burp Suite

Compliance & Identity: Vanta, JumpCloud, SSO, MDM, access reviews, audit readiness

Databases & Caching: MySQL, PostgreSQL, MongoDB, DynamoDB, Amazon RDS, Redis

Monitoring & Observability: Prometheus, Grafana, AWS CloudWatch

Operating Systems & Scripting: Linux, Bash, Python

WORK EXPERIENCE

Hybytes Private Limited

Mar 2025 - Present

Junior DevOps Engineer

- Built and optimized 10+ CI/CD pipelines using Jenkins and GitHub Actions to automate build, test, security scanning, Docker image creation, and deployment workflows for AWS-based applications.
- Integrated Trivy, SonarQube, Snyk, and OWASP ZAP into CI/CD pipelines with automated quality gates to fail builds on critical vulnerabilities and code-quality issues before deployment.
- Developed optimized multi-stage Dockerfiles and Docker Compose configurations, reducing container image sizes by up to 40% and improving build efficiency across containerized application deployments.
- Supported technical remediations for AWS Foundational Technical Reviews and compliance initiatives by aligning cloud infrastructure, security controls, and documentation with AWS Well-Architected best practices.
- Administered Vanta and JumpCloud to automate device compliance, configure SSO/MDM policies, conduct access reviews, enforce policies, and maintain audit readiness.
- Managed AWS infrastructure using Terraform and CloudFormation, including importing existing cloud resources into Terraform state to bring unmanaged infrastructure under version control and reduce configuration drift.
- Developed a Python-based internal FinOps tool using AWS Cost Explorer API and Slack integrations to send automated daily cost summaries, previous-day spend reports, and monthly forecasts.

Synnovara

Aug 2024 - Feb 2025

Intern DevOps Engineer

- Configured and hardened VMware-based virtual environments using Linux administration baselines, firewall rules, network isolation, and patch validation practices.
- Performed vulnerability assessments and web application security testing using Nessus, Nmap, Burp Suite, and OWASP ZAP, documenting 40+ findings related to misconfigurations, missing patches, exposed services, and OWASP Top 10 risks.
- Reviewed cloud and network exposure through port scanning and service enumeration, then recommended improvements to AWS Security Groups, firewall rules, and access controls.
- Authored DevSecOps documentation, hardening standards, and remediation playbooks to support compliance readiness and secure deployment workflows.

PROJECTS

DriftGuard – AWS Drift Detection and Remediation Tool

Developed an internal drift detection tool to monitor AWS infrastructure changes in real time using CloudTrail, EventBridge, Lambda, S3, and Slack workflows, enabling faster visibility into unauthorized changes and supporting approval-based remediation actions.

CostRadar – AWS Cost Visibility and Budget Alerting Tool

Built an internal AWS cost monitoring solution using Lambda, Cost Explorer, SSM Parameter Store, DynamoDB, SNS, email, and Slack integrations to automate daily cost summaries, forecast tracking, and budget threshold breach notifications.

MediStack – Three-Tier Application Deployment on AWS

Deployed a production-style three-tier application with a React frontend, Python backend, and Amazon RDS database, using GitHub Actions, AWS OIDC, ECR, ECS, SonarQube, Trivy, and SNS to support secure and automated application releases.

InfraForge – Terraform Infrastructure Automation Framework

Created reusable Terraform configurations for provisioning AWS networking, compute, container, database, and storage resources, improving deployment consistency, environment repeatability, and infrastructure change tracking.

SecureDeploy – DevSecOps Pipeline Automation

Implemented a security-focused deployment workflow for containerized AWS applications by integrating SonarQube, Snyk, Trivy, and OWASP ZAP to automate code quality checks, dependency scanning, container image scanning, and application security testing before release.

EDUCATION

Virtual University of Pakistan

Bachelor of Science in Computer Science

CERTIFICATIONS & TRAINING

- AWS Certified Solutions Architect – Associate
- DevOps Engineer Training – Corvit
- Red Hat Certified System Administrator (RHCSA) – CyberWing.pk
- Certified Ethical Hacker (CEH) – NAVTTC
- Networking and Cloud Computing Training – UET