SAAD ABDULLAH

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Cloud Architect and Platform Engineer with 7+ years of experience designing, scaling, and securing enterprise-grade cloud systems for healthcare and fintech. Specialized in building compliant, high-availability Kubernetes platforms, infrastructure-as-code foundations, and automated delivery pipelines that meet strict regulatory, security, and reliability requirements.

WORK EXPERIENCE

JUN 2021 - Present
Carbonteq | Lahore, Pakistan
Sr. Cloud & DevOps Engineer
Kubernetes, Terraform, Pulumi, GitHub Actions, Helm, Docker, GCP, AWS

- Designed HIPAA-compliant infrastructure using Terraform and Kubernetes for FirstClass Healthcare (500+ staff).
- Architected high-volume fintech system for Honeycomb (1M+ MAU) ensuring PCI-DSS alignment and 99.9% uptime.
- Implemented zero-trust connectivity with Teleport and centralized secrets management via Infisical.
- Built large-scale data pipelines for Reventure real estate platform (400K+ MAU).

FEB 2022 - OCT 2023
Automatiq
Cloud & DevOps Engineer
AWS, GCP, Jenkins, GKE, Cloud SQL

- Led migration of legacy workloads to AWS with modernized CI/CD pipeline.
- Containerized core services and deployed to GKE and AWS environments.
- Provisioned cloud infrastructure including compute, networking, and managed databases.

SEP 2020 - MAY 2021
ebricks-inc | Lahore, Pakistan
Associate DevOps Engineer
Ansible Tower, Kubernetes, Docker

- Managed Kubernetes-based deployments for Mesmer AI accessibility product.
- Supported infrastructure automation using Ansible Tower for configuration management.
- Contributed to containerization efforts and operational documentation.

EDUCATION

2014 - 2018
Foundation University Islamabad
Bachelor of Science in Software Engineering

CERTIFICATIONS

Google Certified Professional Cloud Architect
Google Cloud

LANGUAGES

English (Native or Bilingual Proficiency)

INTERESTS

DevOps & Software Security
Gaming & F1
Football & Photography
IR & Literature
Books & Software Trends

SKILLS

CLOUD
GCP
AWS
Hybrid & On-Prem

PLATFORM
Kubernetes
GKE
Docker
Helm

IAC
Terraform
Pulumi
Ansible

CI/CD
GitHub Actions
Jenkins
CircleCI
GitOps

SECURITY
PCI/HIPAA/SOC 2
Teleport
Tailscale
Infisical

OBSERVABILITY
Datadog
Grafana
SLO Alerting

SAAD ABDULLAH

Sr. Cloud & DevOps Engineer at Carbonteq

FirstClass Healthcare

Enterprise Clinical Platform (500+ Internal Staff)

A comprehensive correctional health management system facilitating clinical workflows, pharmacy tracking, and patient health records in high-security institutional environments.

- Designed and implemented a HIPAA-compliant infrastructure using Terraform and Kubernetes to support secure clinical workflows.
- Architected a multi-environment setup integrated with Qovery to support automated ephemeral deployments, enabling rapid feature validation and testing.
- Modernized platform access and security by replacing legacy bastions with Teleport for zero-trust connectivity and centralized auditing.
- Streamlined secrets management and developer experience by implementing Infisical, ensuring secure and seamless delivery of environment variables across the CI/CD lifecycle.
- Shifted security left by integrating SAST in CI/CD pipelines, enforcing severity-based build gates, and standardizing secure base images across services.
- Designed and tuned WAF strategy, implementing targeted rate limiting and bot mitigation rules to reduce credential stuffing and abuse.

Honeycomb

Fintech / Insurtech Platform (1M+ Monthly Active Users)

A modern digital insurance marketplace and underwriting engine that automates multi-family property insurance through data-driven risk assessment and instant quote generation.

- Architected a high-volume financial transaction system ensuring PCI-DSS alignment and 99.9% uptime.
- Led a full infrastructure security redesign using Pulumi to standardize environment provisioning, enforce compliance guardrails, and eliminate configuration drift across staging and production.
- Improved production resilience by enforcing pod security standards, resource quotas, and autoscaling strategies to maintain stability during high-volume quote generation cycles.
- Replaced ad-hoc secret distribution with Infisical, centralizing secrets management and ensuring encrypted, auditable secret injection across CI/CD and runtime workloads.
- Embedded container and dependency security into GitHub Actions workflows through Trivy enforcement gates, preventing vulnerable artifacts from progressing to production.
- Replaced static credentials with Teleport, enabling identity-aware, short-lived access to Kubernetes and cloud resources with full session auditing.
- Designed and iteratively tuned Cloud Armor protection policies with calibrated rate limits and behavioral filtering to mitigate abuse of underwriting and payment APIs.
- Defined autoscaling and resource management strategies aligned with underwriting traffic patterns and latency SLOs, improving system stability during peak transaction windows.

Reventure

Real Estate Intelligence & Data Lake Platform (400K+ Monthly Active Users)

An interactive real estate analytics platform providing housing market intelligence, neighborhood demographics, and investment forecasting tools for property investors.

- Developed large-scale data aggregation and analytics pipelines to power predictive investment dashboards.
- Contributed to containerizing data-processing workloads and deploying them to Kubernetes, improving consistency across development and production environments.
- Implemented horizontal pod autoscaling and resource tuning to handle periodic spikes.
- Optimized database interactions and background processing jobs to reduce latency in analytics queries and improve dashboard responsiveness.
- Supported monitoring and logging improvements across the cluster, helping identify performance bottlenecks in data-intensive workloads.