

Sadab Akram

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Cloud Architect & DevSecOps Engineer with 9+ years of experience **designing, securing, and automating enterprise-grade solutions across AWS, GCP, and Azure**. Demonstrated success in developing robust CI/CD pipelines, embedding security best practices, and leading infrastructure-as-code initiatives. Holds multiple advanced architect-level certifications (AWS, Azure, GCP, Kubernetes) with proven ability to **architect cost-effective, compliant, and high-performing cloud solutions**.

## SUMMARY

- **Multi-Cloud Architecture, Cloud Security & Compliance, DevSecOps & Security Automation, Infrastructure as Code (IaC), Containerization & Orchestration, Configuration Management, CI/CD Pipeline Implementation, Monitoring & Observability.**
- Skilled in designing and implementing enterprise-grade security controls using tools like Prisma Cloud, GuardDuty, Security Command Center, and Azure Defender etc.
- Holds advanced certifications such as **AWS Certified Solutions Architect - Professional, Azure Solutions Architect Expert, and Google Cloud Professional Cloud Architect, and CKA, CKAD.**
- Proficient in **Prisma Cloud** for comprehensive security posture management, ensuring compliance and mitigating potential vulnerabilities and threats.
- Proficient in **container orchestration (Docker, Kubernetes, Helm)** and **Infrastructure as Code (Terraform, CloudFormation, and Ansible)** to drive operational excellence.
- Experience in designing and implementing **CI/CD pipelines** using **Drone, Spinnaker, GitLab, ArgoCD** and **Jenkins** that integrate security best practices.
- Adept at translating business requirements into secure, highly available, high-performing, and cost-effective cloud solutions.
- Demonstrated ability to embed robust security controls and compliance standards into cloud architectures (**HIPAA, PCI-DSS NIST, CIS, SOX**) into cloud architectures.
- Adept at **scripting in GO, Python, Ruby and Shell Scripting** to automate tasks and processes.
- Skilled in Java Spring Boot and Go, with proven use of TDD/BDD frameworks (Selenium, REST Assured) for high-quality, secure code.
- Possess a solid understanding of **Linux administration** and its associated tasks.
- Well-versed in **SDLC, Agile methodologies, and DevOps** best practices, proactively **identifying and mitigating threats**.

## CERTIFICATIONS

Certifications	Exam Code	Issuing Organization
AWS Certified DevOps Engineer - Professional	DOP-C01	Amazon Web Service
AWS Certified Solutions Architect - Associate	SAA-C03	Amazon Web Service
AWS Certified Solutions Architect - Professional	SAP-C01	Amazon Web Service
AWS Certified Security - Specialty	SCS-C01	Amazon Web Service
AWS Certified Machine Learning - Specialty	MLS-C01	Amazon Web Service
Google Cloud Professional Cloud Architect	N/A	Google Cloud
Azure Administrator Associate	AZ-104	Microsoft
Azure Solutions Architect Expert	AZ-305	Microsoft
Certified Kubernetes Application Developer	CKAD	Linux Foundation
Certified Kubernetes Administrator	CKA	Linux Foundation
Certified Terraform Associate	TA-003	Hashicorp

## TECHNICAL EXPERTISE

OS/Servers	Ubuntu, RHEL, CentOS, Windows, Mac
Language	Java/J2ee, GO, Python, Ruby, Shell Scripting, SQL, PLSQL
Cloud Platforms	AWS, GCP, Azure
Cloud Services	VPC, EKS, ECS, EC2, ELB, RDS, S3, EFS, SNS, SQS, IAM, GuardDuty, WAF, Code Commit/Build/Deploy/Pipeline, Shield, KMS, Macie, Inspector, Config, Detective etc,
GCP Services	GCE, GKE, GSR, GCR, VPC, Big Query, Stack Driver, Cloud IAM, Security Command Centre, Cloud Armor, Cloud KMS, DLP, Cloud Logging. etc
Azure Services	VM's, AKS, ACR, VNet, CDN, LB, Azure AD, Defender, Azure DevOps, Azure Monitor, AWAf, Azure DDoS, Azure Policy, Azure Key Vault etc.
Containerization	Docker, Kubernetes, Helm
CI/CD Tools	Drone, Spinnaker, GitLab, Jenkins, ArgoCD
Configuration Management	Terraform, CloudFormation, Ansible
Build tools	Ant, Maven, Gradle
Version Control Tools	GIT, GitOps, GitHub, Bitbucket
Web Servers	Apache, Tomcat, WebLogic
Monitoring Tools	Stack driver, Prometheus, Grafana, Loki, Promtail, CloudWatch
Database	Oracle 11g, MySQL, PostgreSQL
Framework	Hibernate, JPA, Spring boot, REST API
Testing Tools	Selenium, Junit, REST Assured BDD/TDD Framework
Web Technologies	HTML5, CSS, JavaScript, TypeScript, JSON, XML, HTTP, NextJS, ReactJS
Compliance Framework	HIPAA, HITRUST, PCI-DSS, SOX, NIST, CIS
Security& Compliance Tools	Prisma Cloud, Checkov, Trivy, SonarQube, OWASP ZAP, Burp Suite, Splunk, Zap Proxy, Veracode, Checkmarx

## PROJECTS/ASSIGNMENTS

**Client:** Standard Bank (South Africa)

**Role:** DevOps & Cloud Architect

**Responsibilities:**

- Design and implement secure, scalable, and cost-effective infrastructures across AWS, GCP, and Azure that ensure high availability, disaster recovery, and optimal performance.
- Automate infrastructure provisioning and configuration management using Terraform and Ansible to reduce manual errors and accelerate deployments.
- Containerize applications with Docker and orchestrate microservices using Kubernetes, ensuring seamless scaling across AWS, GCP, and Azure.
- Develop, manage, and optimize CI/CD pipelines with tools like Jenkins and ArgoCD, driving continuous integration, deployment, and automated testing for faster release cycles.
- Implement IAM policies and role-based access controls across cloud environments to safeguard resources and enforce best practices.
- Conduct regular security audits, and vulnerability assessments, while implementing proactive threat intelligence strategies and secure coding practices.
- Integrate robust security controls into cloud architectures by embedding industry-specific compliance standards such as HIPAA, GDPR, ISO 27001, PCI DSS, NIST, and CIS to mitigate vulnerabilities and protect critical data.
- Continuously identify vulnerabilities and implement proactive measures—developing advanced cyber threat intelligence strategies—to mitigate potential security risks and enhance overall cloud security posture.
- Oversee comprehensive cloud monitoring and logging using native tools including CloudWatch, Azure Monitor, and Stackdriver to ensure rapid incident response and continuous performance improvement.
- Implement centralized log management using tools like Loki, Promtail, Prometheus, and Grafana and design real-time dashboards and alarms for effective system performance tracking.

- Developed and managed Ansible playbooks, streamlining environment configurations and role-based access, improving deployment consistency.
- Collaborate cross-functionally with development, operations, and security teams to align cloud strategies with business objectives and mentor team members on best practices.
- Conduct thorough code reviews and utilize dynamic/static code analysis tools to ensure high-quality, secure code.

**Client:** Mastercard (USA)

**Role:** DevSecOps/SRE Engineer

**Responsibilities:**

- Dockerized and orchestrated microservices on Kubernetes clusters, streamlining application deployments and achieving high system reliability and efficiency.
- Implemented platform infrastructure tailored to project requirements, improving system scalability.
- Developed and maintained CI/CD pipelines using GitLab and Jenkins, integrating automated security scanning (SAST/DAST) with tools like OWASP ZAP and SpotBugs to ensure early detection and mitigation of vulnerabilities.
- Enforced robust IAM policies and role-based access controls across cloud environments to safeguard resources and adhere to best practices.
- Automated cloud infrastructure provisioning with Terraform and managed configuration using Ansible, significantly reducing manual errors and accelerating deployments.
- Conducted regular security audits, vulnerability assessments, and continuous risk assessments through proactive threat modeling, ensuring robust cloud security posture and compliance with industry standards.
- Integrate automated security scanning (SAST, DAST) and vulnerability assessments within CI/CD pipelines to ensure early detection of issues.
- Managed Linux administration tasks with Ansible, ensuring seamless deployment and configuration management and maintained Linux deb and rpm packages, facilitating smooth software updates.
- Led end-to-end development, deployment, and log monitoring initiatives for containerized applications, ensuring maximum uptime and rapid incident response while collaborating closely with development, operations, and security teams.

**Client:** GE

**Role:** DevOps Engineer

**Responsibilities:**

- Design and implement scalable, secure, and cost-effective Azure cloud infrastructures using services such as VM's, AKS, VNet and Azure Functions etc. to ensure high availability and performance.
- Utilized Spinnaker for automated deployments and builds across various environments, leveraging Drone as the continuous integration tool.
- Collaborated with the team to develop a tool that automates pipeline creation on Spinnaker for deploying applications to AKS clusters.
- Developed APIs in Go to customize AKS clusters, enabling namespace and pod-level billing reports.
- Implemented monitoring of Docker containers using the Prometheus tool, integrating it with Grafana for alert management.

**Client:** IBM

**Role:** DevOps Engineer

**Responsibilities:**

- implement scalable, secure, and cost-effective GCP cloud infrastructures using Terraform to build dev, staging and prod environment, ensuring consistency and scalability and high availability.
- Containerized applications with Docker for efficient deployment across environments GKE.
- Designed and implemented scalable services on GKE, enhancing performance and security.
- Configured and managed Kubernetes networking for optimal performance and security.
- Utilized shell scripts and Ansible within Terraform to automate software provisioning.
- Utilized Maven for build automation, producing deployable artifacts from source code.
- Implement robust security controls and compliance best practices by leveraging Cloud IAM, Security Command Center, and VPC Service Controls, while continuously monitoring system health with Cloud Monitoring and Cloud Logging for proactive threat detection and incident response.

**Client:** in-house

**Role:** Java Developer

**Responsibilities:**

- Developed and maintained backend services using Java and Spring Boot.
- Implemented automation testing for both services and UI to maintain deployment quality.
- Utilized JPA for database interactions and managed PostgreSQL databases.
- Managed version control and code collaboration using Git and SVN.
- Configured and maintained CI/CD pipelines with Jenkins for automated builds and deployments.
- Built and maintained reusable JavaScript/TypeScript UI libraries and state management solutions, enhancing code maintainability, developer productivity, and user experience.
- Developed dynamic, server-side rendered applications with Next.js and React.js, leveraging TypeScript for type-safe components, optimized performance, and improved SEO.

## CAREER PROFILE

Period	Client	Company	Role
Mar - 2023 - till date	Standard Bank	Wipro	DevOps & Cloud Architect
Mar - 2021 - Mar - 2023	Mastercard	Wipro	DevSecOps/SRE Engineer
Jan - 2019 - Feb - 2021	GE	NOUS Infosystem	DevSecOps Engineer
Feb - 2017 - Nov - 2017	IBM	Cotelligent India Pvt Ltd	DevOps/SRE Engineer
Mar - 2015 - Jan - 2017	in-house	Nyletech Solutions Pvt Ltd	Java Developer

## ACADEMIC QUALIFICATION

Degree	Institute	Major Specialization
Master of Computer Application (MCA) 2012	SMU	Computer Science

## PERSONAL PROFILE

Father's Name : Abdul Quddus Akram  
Nationality : Indian  
Sex/ Marital Status : Male/Single  
Language Known : English, Urdu, Hindi, and Arabic(R&R)

I hereby declare that the information and facts stated above are true and correct to the best of my knowledge and belief.

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Sadab Akram

(Delhi, India)