

Zunaira Siddique

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Summary

Helping teams build scalable, cloud-native systems with 9+ years of experience across AWS, Kubernetes, DevOps, Golang, and microservices.

<https://www.linkedin.com/in/zunaira-siddique/>

Experience

Zalando | Berlin , Germany

Senior Software Engineer | 10/2023 - 02/2025

- Designed and built a POC for an internal Access Portal enabling corporate employees to browse, request, and cancel application entitlements via a self-service UI (Next.js/React) authenticated through Okta SSO (OIDC).
- Built a monitoring application in golang using Playwright for automated testing of a third-party application (Saviynt), ensuring service uptime. Developed automated testing flows that capture and upload failure screenshots to AWS S3 for debugging and incident analysis, and added API latency monitoring via observability SDK, Lightstep, and Grafana.
- Developed an application to fetch logs from Saviynt and feed them to Scalyr for enhanced log analysis and monitoring.
- Built Grafana dashboards for monitoring Saviynt uptime, data discrepancy, and Okta Fastpass rollout.
- Optimized infrastructure automation by resolving Terraform configuration issues that generated excessive plan logs, enhanced Okta SAML/OIDC Terraform modules for improved reliability, and streamlined the application onboarding process with comprehensive documentation and SLOs.
- Automated application onboarding of Okta using Python, Claude, n8n, and reduced it from 8 step to a 3-step process.

Arbisoft | Lahore , Pakistan

Senior DevOps Engineer | 12/2020 - 10/2023

- Led the team to automate multiple scalable, secure, and resilient Open Edx Applications deployments on AWS using Ansible, Terraform, and Cloudformation.
- Set up the Open Edx Application Tutor on EKS.
- Set up Jenkins on AWS ECS and Azure DevOps for zero-downtime, easy roll-back continuous deployment across development, staging, and production environments.

Acquia | Remote - Contract

Software Engineer | 06/2022 - 12/2022

- Implemented Argo workflows, ArgoCD, and Argo Rollout using the golang SDK for NodeJS hosting microservices of Acquia.

Cloudplex Inc | Lahore , Pakistan

Software/DevOps Engineer | 06/2019 - 12/2020

- Implemented microservices in golang using mongoDB to automate compute cluster, Kubernetes cluster, public and private networks deployment on Digital Ocean(DO) , Amazon Web Services(AWS) , Google Cloud Platform (GCP).
- Developed gRPC services to automate the deployment of different Kubernetes and Istio components on multi-clouds.
- Web Scraping in python to gather pricing and machine type information from multi-clouds documentation.
- Implemented rabbitMQ message queues and consumer in network microservice.

Time and Xcess | Lahore , Pakistan

Cloud & DevOps Freelancer | 01/2016 - 06/2019

- Migrated React Application to GCP from AWS using GCP migration service and setup the EFK stack for monitoring and logging.
- Hosted Angular website on AWS using S3 , CloudFront, route53 , ACM and terraform
- Set up the Posthog application on Kubernetes.

Skills

Golang, Python, Docker, Kubernetes, Helm, AWS, GCP, Digital Ocean, Azure, Terraform, Ansible, Kibana, Grafana, Lightstep, Scalyr, Elasticsearch, Prometheus, Redis, RabbitMQ, Jenkins, Azure DevOps, GitHub Actions, Cloud Formation, Argo Workflows, ArgoCD, Okta, n8n

Certificates

AWS Certified AI Practitioner, AWS Certified Developer – Associate, AWS Certified Solutions Architect – Associate, GCP Associate Cloud Engineer, GCP Cloud Digital Leader

Education

PUCIT, University of the Punjab | Lahore, Pakistan
Bachelor of Science in Software Engineering | 08/2018

- General Secretary, Computer Society (01/16 - 12/17)
- Management Team, Blood Donor Society (01/16 - 01/17)