

Ashik Mostofa Tonmoy

SENIOR DEVOPS ENGINEER · SRE · PLATFORM ENGINEER

Dhaka, Bangladesh · Open to Remote & Relocation

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Summary

Senior **DevOps and Platform Engineer** with 5 years of engineering experience, **3+ of them owning production infrastructure at scale**. Infrastructure owner for **Selise Blocks Cloud**, a commercial multi-tenant PaaS serving enterprise clients across Europe and North America — 10 Kubernetes clusters and a GitOps control plane managing **1,000+ applications**. Deep in ArgoCD, Terraform, Tekton, self-managed RKE2, and SRE practice: SLI/SLO, error budgets, on-call, and incident response.

Technical Skills

Kubernetes, GitOps & Networking	Kubernetes (AKS, EKS, RKE2, k3s), Docker, Helm, ArgoCD (App-of-AppSets), WireGuard, CoreDNS, external-dns, MetalLB, HAProxy, Keepalived, Cloudflare
CI/CD	Tekton, GitHub Actions (Reusable Workflows), GitLab CI/CD, Jenkins
IaC & Automation	Terraform (custom module library), Ansible, CloudFormation, Python, Go, Bash
Cloud Platforms	Azure (AKS, Entra ID, Key Vault, Azure DNS, CDN, Blob) · AWS (EC2, EKS, ECS, S3, RDS, Route53, CloudFront)
Observability & SRE	Prometheus, Grafana, Datadog, OpenTelemetry, ELK Stack, SLI/SLO, Error Budgets, Fault Injection
ML & AI Infrastructure	GPU/ML workload orchestration on Kubernetes, ML pipeline automation, HIPAA-compliant ML platforms, hybrid-cloud model deployment
Security & DevSecOps	Workload Identity & OIDC Federation, Azure RBAC, Entra ID, Key Vault, cert-manager, SOPS, SonarQube (SAST), OWASP Dependency-Track, CycloneDX SBOM, Trivy, ISO 27001, HIPAA, GDPR, FADP, SOC 2

Professional Experience

Selise Digital Platforms SENIOR DEVOPS ENGINEER	<i>Dhaka, Bangladesh</i> <i>Aug 2024 – Present</i>
- Infrastructure owner for Selise Blocks Cloud, a commercial multi-tenant PaaS serving enterprise clients across Europe and North America — 10 clusters across 8 environments serving 2M+ daily requests - Own SLI/SLO and error budgets; sustain 99.9% against contracted SLAs through on-call rotation, blameless post-mortems, and deliberate fault injection — pod termination, node failure, network partition — before production releases - Designed a security-hardened self-managed RKE2 platform as a cloud-agnostic alternative to AKS — provisioned end-to-end with Ansible across development, staging and production, with WireGuard-encrypted node networking and internal CoreDNS - Architected the central GitOps control plane on ArgoCD (app-of-appsets, dual-repository) — one Argo instance manages 1,000+ applications; replaced per-service pipelines with parameterized reusable GitHub Actions workflows - Built the enterprise Tekton CI/CD system from zero — one-click commit-to-production across all environments, with SonarQube SAST, CycloneDX SCA, and OWASP Dependency-Track scanning inline - Eliminated client-ID/secret authentication platform-wide with Managed Identity and OIDC federation, including OIDC trust for out-of-Azure RKE2 clusters; hardened AKS with Azure RBAC via Entra ID and automated certificate rotation - Migrated the full Azure estate to Terraform with a reusable module library, then cut spend from 60,000 to 35,000 CHF/month (~US\$360K/year) — holding ~33% below baseline as workload grows - Selected for the SELISE LEAP leadership development program; mentor engineers across product teams, author the platform standards and runbooks they onboard against, and shipped an internal AI knowledge agent answering project, domain, and stack questions in English and German	
Ostad LEAD DEVOPS INSTRUCTOR (PART-TIME)	<i>Dhaka, Bangladesh</i> <i>May 2025 – Present</i>
- Design and deliver “Mastering DevOps” — a 17-week, 18-module curriculum (36 live sessions) covering AWS, Docker, Kubernetes, Terraform, GitHub Actions, Prometheus, Grafana, Ansible, and DevSecOps - Trained 800+ engineers across 12 cohorts — university students through senior professionals — with a hands-on, production-scenario project focus	
W3 Engineers Ltd. DEVOPS ENGINEER	<i>Dhaka, Bangladesh</i> <i>Apr 2024 – Jul 2024</i>
- Replaced manual AWS provisioning (EC2, ECS, S3, RDS) with Terraform IaC, cutting deployment time by 75% and removing a recurring class of configuration drift errors - Passed external security audit by implementing RBAC, centralized secrets management, and automated vulnerability scanning across the deployment pipeline - Containerized and migrated 15+ legacy applications with zero-downtime blue-green deployments	

Zaynax Group

Dhaka, Bangladesh

DEVOPS ENGINEER (COMPANY CLOSED)

Nov 2023 – Mar 2024

- Designed and operated a highly available on-premises Kubernetes platform (MetalLB, Keepalived, HAProxy) meeting government compliance requirements on air-gapped infrastructure
- Cut development-to-production cycle time by **60%** by introducing CI/CD pipelines, review gates, and automated deployment practice to a team new to DevOps
- Deployed Harbor registry with automated image scanning, blocking known-vulnerable images from reaching production

InNeed Intelligent Cloud

Dhaka, Bangladesh

MLOPS ENGINEER

Jan 2023 – Oct 2023

- Managed AWS EKS clusters with mixed fixed and spot capacity, achieving **70% infrastructure cost reduction** for a **HIPAA-compliant** ML platform with zero security incidents
- Automated end-to-end ML pipelines reducing model deployment lead time from **weeks to hours** across AWS and Huawei Cloud hybrid environments

ACME AI

Dhaka, Bangladesh

MACHINE LEARNING ENGINEER

Dec 2021 – Dec 2022

- Led **Bill & Melinda Gates Foundation**-funded livestock detection project using computer vision; achieved **92%** production accuracy
- Released **4 open-source datasets** (1,000+ downloads) — published by ACME AI; led an 8-person cross-functional team across data acquisition, model training, and deployment

Certifications

AZ-400 Microsoft Certified: DevOps Engineer Expert — Active · Verify credential

AZ-204 Microsoft Certified: Azure Developer Associate — Active · Verify credential

Education

Khulna University of Engineering and Technology

Khulna, Bangladesh

B.SC. ELECTRONICS AND COMMUNICATION ENGINEERING

2016 – 2020