

MD. ZAHIRUL ISLAM

Lead Cloud Developer

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PROFILE

Lead Cloud Developer with 8+ years automating and scaling multi-account AWS platforms in high-availability, regulated environments. Currently run a multi-tenant platform spanning 400+ customer systems across 4 AWS accounts and 4 regions, using Terraform, GitLab CI/CD, and Ansible. Focused on observability, resilient backup/restore automation, and performance at scale.

KEY ACHIEVEMENTS

- **AI-Powered Incident Response**
Built the team's first AI root-cause-analysis agent, cutting incident response effort by 70%.
- **Automated Platform Scaling**
Modernized operations to fully automated pipelines, scaling to 400+ customers without added headcount.
- **End-to-End Observability**
Built a full-stack observability platform for near real-time monitoring across the fleet.
- **Strengthened Platform Resilience**
Automated disaster-recovery, backup, and patching across multi-AZ deployments.

SKILLS

AWS | Terraform | Ansible | GitLab CI/CD | Docker | Kubernetes | Prometheus | Grafana | Wazuh | Python | Bash

WORK EXPERIENCE

11.2022 – Present

Lead Cloud Developer

LORENZ Life Sciences Group, Frankfurt am Main

- Provisioned infrastructure for 400+ customer systems across 4 AWS accounts and regions.
- Built an AI agent for root-cause analysis, cutting incident response effort by 70%.
- Built an observability stack (Grafana, Prometheus, Loki, Tempo) for near real-time monitoring.

03.2022 – 09.2022

DevOps Engineer

Nordcloud (an IBM Company), Frankfurt am Main

- Automated CI/CD and provisioning for an IoT data streaming platform on Azure.
- Designed network architecture for real-time data ingestion and dashboarding.

12.2020 – 02.2022

Working Student, Cloud Developer

LORENZ Life Sciences Group, Frankfurt am Main

- Built a highly available monitoring solution on Kubernetes with critical-event alerting.

06.2019 – 09.2020

Working Student, IT

Enterprise Rent-A-Car, Frankfurt am Main

- Automated a VAT processing tool, cutting manual work for the finance team.

05.2011 – 08.2018

Project Lead, IT

IQVIA, Dhaka

- Led a performance dashboard for Johnson & Johnson, integrating multiple data sources.
- Managed 10+ SQL Server instances and built ETL processes, cutting manual data work.

06.2009 – 04.2011

Software Engineer

BDG & Technohaven Co. Ltd., Dhaka

- Built cheque-printing automation and maintained a leasing/investment platform.

EDUCATION

10.2019 – 03.2022

M.Sc. High Integrity Systems

Frankfurt University of Applied Sciences

01.2005 – 04.2009

B.Sc. Computer Science and Engineering

Khulna University of Engineering & Technology

CERTIFICATIONS

AWS Certified Solutions Architect – Associate (2022) | AWS Certified SysOps Administrator – Associate (2022) | AWS Certified Cloud Practitioner (2021) | HashiCorp Certified: Terraform Associate (2022)

LANGUAGES

English — Professional working proficiency | German — Basic knowledge