

# Md. Saif-Uz-Zaman

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## Education

### Rajshahi University of Engineering and Technology

BSc in Computer Science & Engineering

Rajshahi, Bangladesh

2013 – 2019

## Experience

### CholPori

Dhaka, Bangladesh

SENIOR DEVOPS CONSULTANT

March 2023 – Present

- Led the design and implementation of a robust cloud infrastructure in Azure, building it from the ground up to support Cholpori's digital transformation initiatives.
- Established and managed Azure Kubernetes Service (AKS) clusters for seamless application deployment, scaling, and orchestration.
- Architected and deployed databases and integrated them securely with Azure services, ensuring data availability and reliability.
- Implemented Azure Key Vault for centralized management of secrets and sensitive data, enhancing security and compliance.
- Pioneered the setup of Continuous Integration/Continuous Deployment (CI/CD) pipelines using GitLab CI, automating application delivery and reducing release cycle times.
- Acted as a proactive troubleshooter, resolving daily development challenges and optimizing workflows to boost developer productivity.

### Field Nation

Dhaka, Bangladesh

SENIOR SITE RELIABILITY ENGINEER

November 2022 – October 2023

- Designed and implemented highly available, reliable, scalable, and fault-tolerant systems to meet business requirements using Terraform, Kubernetes, Docker, Amazon EKS, and Amazon Web Services (AWS).
- Collaborated on incident response efforts to promptly identify, diagnose, and resolve system outages or performance issues using tools like Datadog, PagerDuty, and GitOps practices.
- Conducted thorough postmortem analyses for incidents, documenting root causes, and proposing preventive measures.
- Developed and maintained automation tools for system provisioning, configuration, and monitoring using Jenkins, GitHub Actions, and other DevOps tools.
- Performed capacity planning to ensure systems can handle current and future loads.
- Participated in an on-call rotation to provide 24/7 support for critical incidents.

### Exos Systems

Dhaka, Bangladesh

SENIOR DEVOPS CONSULTANT

September 2022 – August 2023

- Provided strategic DevOps consulting services, helping organizations optimize their infrastructure and processes. Skills: Microsoft Azure, Kubernetes, Istio.
- Worked on API management solutions, integrating and optimizing APIs for better performance and scalability. Skills: APIM.
- Implemented and managed Infrastructure as Code practices using Terraform.
- Utilized GitHub and SonarQube for continuous integration and code quality assurance.
- Facilitated collaboration and communication within remote teams. Skills: Git.

### Selise

Dhaka, Bangladesh

SENIOR DEVOPS ENGINEER

August 2021 – October 2022

- Architected a robust cloud platform to support the deployment and scaling of over 100 microservices. Skills: Microsoft Azure, Amazon Web Services (AWS), Nginx.
- Implemented and maintained CI/CD pipelines for automating the build, test, and deployment processes. Skills: GitHub Actions, GitLab CI, Azure DevOps, Continuous Integration and Continuous Delivery (CI/CD).
- Implemented Infrastructure as Code practices using tools like Terraform to automate infrastructure provisioning. Skills: Terraform, Ansible.
- Implemented and managed Kubernetes clusters (AKS) for container orchestration. Skills: Kubernetes, Azure Kubernetes Service (AKS), Helm Charts, Docker.
- Implemented monitoring solutions to track system performance, availability, and incidents. Skills: GitOps.

## Shohoz

Dhaka, Bangladesh

### DEVOPS ENGINEER

February 2021 – July 2021

- Managed Azure and hybrid cloud infrastructure, ensuring optimal performance, scalability, and reliability. Skills: Microsoft Azure, Amazon Web Services (AWS), Kubernetes, Nginx.
- Worked to ensure the cost-effectiveness of cloud architecture by optimizing resource utilization and leveraging appropriate pricing models. Skills: DevOps.
- Successfully integrated legacy systems into modern DevOps and microservices environments. Skills: Continuous Integration and Continuous Delivery (CI/CD), Helm Charts.
- Developed and maintained automation scripts for repetitive tasks, improving operational efficiency. Skills: Terraform, Git, Linux.
- Facilitated communication and collaboration between development and operations teams. Skills: GitHub.

## Selise

Dhaka, Bangladesh

### DEVOPS ENGINEER

October 2019 – February 2021

- Provided on-demand support to the engineering team, assisting with troubleshooting and problem resolution related to CI/CD infrastructure and cloud services. Skills: GitHub Actions, Amazon Web Services (AWS), Jenkins.
- Collaborated on the migration of over 100 microservices and more than 50 projects from AWS to Azure. Skills: Microsoft Azure, Kubernetes, Docker.
- Implemented effective backup and recovery strategies during the migration process. Skills: Nginx.
- Continuously evaluated and improved CI/CD processes, identifying opportunities for automation and efficiency gains. Skills: Continuous Integration and Continuous Delivery (CI/CD), Helm Charts.

## MekTek

Dhaka, Bangladesh

### IoT INFRASTRUCTURE ENGINEER

January 2017 – October 2019

- Architected and provisioned both IoT cloud infrastructure and on-premises infrastructure to support IoT applications and services. Skills: IoT, Docker, Linux.
- Implemented MQTT broker infrastructure to facilitate efficient communication among IoT devices and services. Skills: Continuous Integration and Continuous Delivery (CI/CD).
- Worked on interfacing various sensors and actuators with controllers in the IoT ecosystem. Skills: IoT.
- Participated in prototyping activities to validate IoT concepts and functionalities. Skills: Continuous Integration and Continuous Delivery (CI/CD), Docker.

## Skills

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**Programming Language::** C/C++, JavaScript, Golang, Python, Bash  
**Containerisation::** Docker, Kubernetes (Bare Metal), EKS, AKS, GKE, AWS ECS  
**Cloud Service::** AWS, AZURE, GCP, Digital Ocean, Linode  
**CI/CD Pipeline::** GitHub Actions, GitLab CI, Azure DevOps, Jenkins, AWS Codebuild, Bitbucket Pipeline  
**GitOps::** FluxCD, ArgoCD  
**Logging/Monitoring::** Elasticsearch, Filebeat, Datadog, Kibana, Cloudwatch, Grafana, Prometheus  
**Database Administration::** MongoDB, PostgreSQL, MySQL, AWS RDS, Azure SQL, Amazon Dynamo DB, Azure Cosmos DB  
**Service Mesh & Gateway::** Istio, Azure Application Gateway, Nginx Ingress, Consul, Nginx, Envoy Proxy  
**IAC::** Terraform

## Projects

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### Ever Helm Charts

Helm, Kubernetes, Git, GitHub

CREATED AND MAINTAINED HELM CHARTS FOR THE EVER® OPEN-SOURCE SOFTWARE, AN INNOVATIVE PLATFORM FOR COLLABORATIVE, ON-DEMAND, AND SHARING ECONOMIES. CONTRIBUTED TO THE OPEN-SOURCE COMMUNITY BY PROVIDING HELM CHARTS THAT STREAMLINE THE DEPLOYMENT AND MANAGEMENT OF EVER®. COLLABORATED WITH THE EVER® COMMUNITY TO UNDERSTAND DEPLOYMENT REQUIREMENTS AND OPTIMIZE HELM CHART CONFIGURATIONS. PUBLISHED THE HELM CHARTS ON GITHUB, FACILITATING EASY ADOPTION BY THE EVER® USER COMMUNITY.

<https://github.com/ever-co/ever-charts>

### Selictl - DevOps Platform Framework

Kubernetes, Helm, NodeJs

DEVELOPED SELICTL, A DEVOPS PLATFORM FRAMEWORK, TO STREAMLINE DEPLOYMENT AND CI/CD PROCESSES. IMPLEMENTED CLI FUNCTIONALITY ENABLING VERSION-CONTROLLED DEPLOYMENTS AND KUBERNETES MANIFEST TEMPLATING WITH HELM CHARTS. FACILITATED SEAMLESS INTEGRATION WITHIN THE CI/CD PIPELINE, ENHANCING DEVELOPMENT EFFICIENCY.

## MS-Version - Microservice Version Monitoring Tool

DEVELOPED A NODE.JS-BASED TOOL INTEGRATED WITH KUBERNETES API FOR TRACKING STABLE VERSIONS AND PROVIDING API DOCUMENTATION ACCESS FOR OUR ORGANIZATION'S MICROSERVICES PLATFORM.

NodeJs, Kubernetes API Server

<https://version-az.selise.biz>

## MS-Event-Monitor - Kubernetes Cluster Event Monitor and Alerting Tool

DEVELOPED AN EVENT MONITORING AND ALERTING TOOL FOR OUR KUBERNETES CLUSTER, FEATURING AN APPLICATION AGENT THAT COLLECTS KUBERNETES EVENTS, SENDS THEM VIA WEBHOOK TO A SERVICE WITH A LIVE EVENT PORTAL, AND SUPPORTS EVENT FILTERING AND EMAIL NOTIFICATIONS BASED ON SEVERITY.

Event Exporter, Metrics Adapter,  
NodeJs, Mailer

<https://ms-event-monitor.selise.biz>

## Certifications

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2017

**Award of Excellence**, The award of excellence is a program recognizing creativity, excellence, and innovative thinking organized by the CSE dept of Rajshahi University of Engineering & Technology.

CSE Dept, RUET

2017

**Best Young Innovator**, Aspire to Innovate, or a2i, is a special programme of the Government of Bangladesh that catayzes citizen-friendly public servic innovations simplifying government and bringing it closer to people. It supports the government to be on the forefront of integrating new, whole-of-society approaches to achieve the SDGs.

a2i Bangladesh

March 08,  
2024

**CKAD: Certified Kubernetes Application Developer**, Earners of this designation demonstrated the skills, knowledge and competencies to perform the responsibilities of a Kubernetes Application Developer. Earners are able to define application resources and use core primitives to build, monitor, and troubleshoot scalable applications and tools in Kubernetes. The skills and knowledge demonstrated by earners include Core Concepts, Configuration, Multi-Container Pods, Observability, Pod Design, Services & Networking, State Persistence.

The Linux  
Foundation

July 13,  
2024

**CKA: Certified Kubernetes Administrator**, Earners of this designation demonstrated the skills, knowledge and competencies to perform the responsibilities of a Kubernetes Administrator. Earners demonstrated proficiency in Application Lifecycle Management, Installation, Configuration & Validation, Core Concepts, Networking, Scheduling, Security, Cluster Maintenance, Logging / Monitoring, Storage, and Troubleshooting

The Linux  
Foundation

July 14,  
2024

**KCNA: Kubernetes and Cloud Native Associate**, Earners of this designation demonstrated a basic knowledge of Kubernetes and cloud-native technologies, including how to deploy an application using basic kubectl commands, the architecture of Kubernetes (containers, pods, nodes, clusters), understanding the cloud-native landscape and projects (storage, networking, GitOps, service mesh), and understanding the principles of cloud-native security.

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