

# MD SHAFIQL ISLAM

Lead DevOps Architect / Consultant

Ex. Deployment Automation Consultant [ Ericsson, Sweden ]

( PLM 3DExperience Project )



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## OVERVIEW

I am a Deployment Automation Consultant specializing in **CI/CD** tools (Jenkins, TeamCity), microservice orchestration (Docker, Kubernetes), and cloud platforms (**AWS**, Azure, GCP),. I have extensive expertise in Infrastructure as Code (CloudFormation, Ansible, Terraform), scripting languages (**Bash**, **PowerShell**, **Python**, **Groovy**), and GitOps tools (**ArgoCD**)

- Extensive use of Docker, Kubernetes, **AWS** ( **EKS**, ECS, **ECS Fargate**, EC2, VPC, ECS Fargate, EKS, S3, EBS, Route53, Lambda, SES, RDS, AMI, CloudWatch), **Azure** (**AKS**, **Azure DevOps**, **Azure VMs**, **Azure Monitor**, **Azure Container Apps**), **GCP**, Jenkins, Nexus, Ansible, Terraform, Packer, Nginx, SonarQube, MongoDB, PostgreSQL, Python & Bash Scripts
- Spun up **Linux**( RedHat, CentOS, Ubuntu), **Windows**, and **Unix/MacOS**. I have expertise in establishing a private Cloud with OpenStack /oVirt/ ProxMox / VMWare
- Extensive use of GitHub, GitLab, Artifactory, JIRA, Youtrack, Confluence, Redmine, NextCloud, OpenCloud, Slack, Microsoft Teams.

## EXPERIENCES

### SWIFT / SRE / DevOps Engineer ( Contract)

June 2024 - January 2025, Malaysia

- **CICD** ( Jenkins )
- **ELK** (Filebeat, Logstash, Metricbeat, ElasticSearch, Kibana)
- **Ansible**, **Bash**, **PowerShell**, **Python**
- **Docker**, **Podman**

### ELK Expansion and Elasticsearch Upgrade with IaC Automation:

- Expand the existing ELK infrastructure by adding a new ELK cluster and upgrading Elasticsearch from version 8.4.0 to 8.16.0. Migrate the IaC (Infrastructure as Code) Ansible scripts to accommodate the setup and upgrade of the new cluster, leveraging Jenkins to automate the provisioning and deployment of upgraded containers in Podman. The project aimed to implement all necessary changes and updates in the IaC (Ansible) scripts, establish/extend the new ELK cluster alongside the existing one, ensure compatibility with the latest stable version, and configure automation jobs in Jenkins for seamless operations.

### Ericsson / Deployment Automation Consultant

February 2021 - January 2024, Sweden

- Establish a Kubernetes Cluster with **AWS EKS** for a Higher Environment
- Provisioned a Private Cloud with **OpenStack** ( oVirt ), ProxMox, VMware for a Development & Testing environment on the **Windows** and **Linux** platforms
- Migrate **Jenkins** Build server from on-premises to Private Cloud.
- Configure **CI/CD** jobs and write the pipeline for application Deployment
- Provisioned and deployed **EC2**, **Route53**, **KMS**, **WAF**, **CloudWatch**, **RDS** using Terraform
- Implemented ELK (**Filebeat**, **Logstash**, **ElasticSearch**, **Kibana**), and Zabbix monitoring tools using Ansible
- Prepare IaC code with **Ansible**, and **Terraform** to prepare platforms and deploy applications. Performance Test Automation with **JMeter**

### Bjit Ltd. / Lead DevOps Architect

March 2020 - April 2024

- Design infrastructure architecture and implement an **EKS** Cluster on **AWS** for Vector Project based on Laravel. Write IaC code using **Ansible** and **Terraform**
- Define **AWS** Cloud Architecture and implement **HA Cluster** using **EC2(Linux, Windows )**, and Configure **Elasticsearch** and **RDS** Cluster for the RITO project, which is based on Java
- Prepare Build Configuration and **IaC on CloudFormation**
- Production/Staging Deployment with **CI/CD [Jenkins, Ansible ]** is the scope I'm contributing to.
- Design and Deploy MituToyo Application on **AliCloud - ACK** and **ECS Fargate** and Apsara DevOps pipeline
- Provisioned a **Kubernetes** cluster on the bare metal server and used **HELM** Charts to deploy ScyllaDB on the K8s cluster

## SKILLS

- Containerization Orchestration ( Docker, Kubernetes )
- Programming Language / Scripting (Python, Bash, PowerShell, Groovy, Java)
- CI /CD (Jenkins, TeamCity) Pipelines
- Database (Mysql, PostgreSQL, Redis)
- Message Broker & streaming (Apache Kafka, RabbitMQ, ActiveMQ Artemis )
- Virtualize Technology (KVM, OpenStack, Proxmox, VMWare)
- **Amazon Web Service (AWS)** [ IAM, VPC, EC2, ECS Fargate, Route 53, S3, ELB, Code[Commit / Build / Deploy / Pipeline], CloudFormation, CloudTrail, Auto Scaling, Service Catalog, KMS, Certificate Manager, Lightsail ]
- **Azure** (AKS, Azure DevOps, Azure VMs, Azure Monitor, Azure Container Apps)
- Infrastructure as code (IaC)[ **Ansible**, **Vagrant**, **Terraform** ]

## CERTIFICATIONS

### Microsoft Certified:

- [Azure Administrator Associate](#)
- Azure Fundamentals

### Red Hat License: 160-186-995 [ [VERIFY](#) ]

#### Certificate Name:

- Red Hat Certificate of Expertise in Server Hardening, February 2017
- Red Hat Certified System Administrator in Red Hat OpenStack, October 2016
- Red Hat Certified Virtualization Administrator, October 2016
- Red Hat Certified Engineer (RHCE), September 2016
- Red Hat Certified System Administrator (RHCSA), September 2016
- [Certified ScrumMaster® Scrum Alliance](#)

## EDUCATION

BSc (Engg) in CSE / June 2005 - June 2011

Shahjalal University of Science & Technology ( SUST ),

Sylhet-3114, Bangladesh

## ENGLISH PROFICIENCY



ISLAM, MD SHAFIQL

FEBRUARY 1, 2022

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110

Overall

The test taker's ability to use English in a variety of modes and contexts.

10 ————— 140

- Can fulfill most communication goals, even on unfamiliar topics.
- Can understand the main ideas of both concrete and abstract writing.
- Can interact with proficient speakers fairly easily.

## IdeaScale / DevOps Engineer

November 2018 - December 2019

- Worked with Docker, Kubernetes, Automation - CI/CD [Jenkins, TeamCity ], Selenium Grid, JMeter ( Load Test ), and established a multi-node cluster to manage staging build and test automation pipeline.
- Implemented ELK (Filebeat, Logstash, Elasticsearch, Kibana dashboard) monitoring tools using Ansible,
- Work with Apache Kafka & ActiveMQ Artemis,
- Configured and deployed applications through Ansible and CI/CD pipelines, blue/green, and canary drops
- Provisioned a Kubernetes cluster and used HELM Charts for the K8s cluster
- Worked on application staging deployment infrastructure using Terraform, Packer, Python, Ansible
- Extensive use of MongoDB, AWS (EC2, VPC, AMI, CloudWatch, S3, RDS etc), RabbitMQ, Jenkins
- Extensive use of Git and self-hosted GitLab to store and manage infrastructure code.
- Build a Private Cloud with Proxmox for a Development & Testing environment.
- Migrate Elasticsearch server from Cloud to Cloud and upgrade Elasticsearch version from 6.0 to 7.0

## DataShall Analytics Ltd / DevOps Architect

December 2017 - December 2018

- Designed Cloud infrastructure Architecture for NLP-focused LLM-based ( AI-based social media analysis ) web application ( <https://shuni.live> ) and implemented containers-based deployment for production.
- Design and implement production and test infrastructure with Docker orchestration ( Docker Compose, ECS ).
- R&D complex features for the project, and perform code review to guide the developers (sort out issues they are facing )

## IPVision Canada Inc. / System Analyst - DevOps & Cloud Engineer

June 2015 - November 2018

- Established RingID[[www.ringid.com](http://www.ringid.com)] production data center with 120+ servers and built a monitoring subsystem for the data center.
- Analyzing the requirements, networking architecture design with components of OpenStack Cloud, Apache Cassandra, Apache Kafka, MySQL Cluster for monitoring subsystems, Nagios core, Zabbix, SNMP, Cacti, and Syslog have been used.
- Writing scripts with Bash, PowerShell, and Python, Groovy

## SELISE | rockin' Software / System Administrator & Cloud Engineer

December 2013 - June 2015, Switzerland

- Establish an on-premises Data Center with Recovery Zone, and Private Cloud using KVM
- Lead the IT department along with 5 team members. A hassle-free dev & testing environment was provided to engineers by establishing a local data center. Designed a fully automated backup system for the development servers into two regions for data fail-safe.
- Formed a virtual (VMWare and Windows Server ) infrastructure with KVM for the developer's environment that is as real as in production deployment. So developers can lead them toward their desired goal on an easy freeway.

## General Pharmaceuticals Ltd. / System Administrator

February 2013 - November 2013

- A centralized MIS system infrastructure for the sales and marketing department has been built. An email server ( MTA ) and a file server exchange files and resources locally in the company. It brings all users under a central surveillance system for vigilance and accessibility and controls their internet bandwidth usage.

## Dc Tieto Oy, Finland / System Administrator

August 2010 - November 2012, [ NordicSoft ]

- Joined as a System Administrator, building network infrastructure and a data center (Windows Server, VMware). Established secure IPsec connectivity across offices in Bangladesh, Finland, Estonia, Austria, and the UK.

## British American Tobacco Bangladesh (BATB) / Network Engineer

February 2010 - May 2010

- Worked at British American Tobacco Bangladesh (BATB) as a Network Officer (deputed from Tech Valley Networks Ltd.), handling network support, AP/router configuration, and Cisco device maintenance/troubleshooting while assisting BATB site offices via email/phone.