



SiThuThwin

SRE Team Lead and Solution Architect



Address

CL1-202,
Cityloft@Starcity
Than Lyin Township
Yangon, Myanmar

Contact

Tel: +95 979 7969695
Skype: live:sithuthwin

Mail

sithu@thwin.net

Social

LinkedIn: si-thu-thwin

Web & Git

thwin.net
github.com/herzcthu
gitlab.com/herzcthu

DevSecOps

GitLab CI/CD
Terraform/Ansible
SonarQube
Maven
Docker
ELK/EFK
Prometheus/Grafana
K8S/Open-
shift/Helm/Istio/Sin-
gle Mesh
Pinpoint/Zipkin
PHP
Python/Flask
YAML
Bash
LaTeX
gRPC/mTLS/PKI
AWS/Azure/Oracle
MySQL/MongoDB

Experience

Aug/20 - Now **SRE team Lead and Solution Architect**

YOMA Bank

- Lead and Manage DevOps team and SRE team, VMWare, System Team, DBA Team and ApplicationRelease team combined as future SRE team which include more than 20 engineers.
- Solution Architect for personal banking, next generation mobile banking, business credit card portal and bancassurance.
- Create microservices architecture principles for the whole organization.
- Create API GW integration architecture principles. Design and build essential microservices to use in various integration.
- Lead CBMNet-II integration development. Conducted various training of technologies related with DevSecOps for engineers in the organization

Mar/19 - Aug/20 **Lead DevOps Engineer**

YOMA Bank

- Lead DevOps in Digital Transformation. Designed CI/CD pipeline and Gitflow for new mobile/online banking app based on Springboot and Nodejs. Create gitflow principles to be followed by all developers and DevOps.
- Training DevOps team.
- Develop k8s helm charts for deployment and Deploy Kubernetes Cluster on Cloud and on-premise Datacenter.
- Deploy and implement to use ISTIO and Netflix OSS based microservices.
- Build and maintain JAVA, Nodejs packages artifactory and docker images. Create scalable deployment pipeline in gitlab CI/CD.
- Work closely with Solution Team for deployment and infrastructure architecture.

Aug/17 - Mar/19 **Assistant Team Lead (System and Database)**

YOMA Bank

- Oracle and MySql management. Maintain Digital Channel (Mobile Banking) and Finastra's Fusion Middleware
- Oracle and MySql management. Developed Cash Management Portal (YOMA and McKinsey project)

Apr/16 - Aug/17 **Senior System Administrator**

Blue Ocean Call Center

- Manage SIP Gateway, Asterisk, VMware, UCS server, SIP routing.
- Lead and completed to setup call center for Grab Taxi Myanmar.
- Developed CRM for CocaCola Myanmar.

Referee
Sander Meinema
sander@architectin-
gasaservice.com

Skills

Mesh **Kubernetes, ISTIO, Helm, Single Mesh, Service Discovery** **DevOps**

- More than 4 year experiences working with Kubernetes and Istio.
- Setup and maintain multi datacenter, multi cluster single mesh and service discovery using ISTIO.
- Well experienced working with ISTIO ingress gateway, virtual services, mTLS and istio API resources.
- Very well understanding about Kubernetes APIs and resources. Very well experienced creating helm charts.
- Very well experienced working with stateful apps and statefulset in Kubernetes. Very well experienced working with Kubernetes operators.

Messaging **Kafka, ActiveMQ, Strimzi, Debezium** **DevOps**

- Deploy, manage and maintain Kafka Cluster on Kubernetes and VM.
- Deploy, manage and maintain Debezium for CDC.
- Manage Strimzi Operator for Kafka Cluster. Deploy and manage ActiveMQ on Kubernetes and VM.

GitOps **GitOps, GitFlow, Gitlab** **DevOps**

- Well experienced on git operation. Well established knowledge on git and gitflow.
- Organize repositories for easier management (Current organization follow the SOP created by myself)

Pipeline **Gitlab Pipeline, Jira Integration, MS Team Integration** **DevOps**

- Creating pipeline on gitlab. I can work on any other pipeline tools.
- Integrate with any agile tools or communication channels

Database **Oracle, MySQL, MongoDB, SQL** **DBA**

- Very proficient with SQL queries
- Basic understanding about Oracle RAC cluster, RMAN, Dataguard
- Well understanding about MongoDB cluster and can manage the cluster
- Well understanding about MySQL server, clusters and replication

APM **Grafana, Prometheus, Jaeger, Zabbix, Pinpoint, Graylog** **DevOps**

- Proficient with setting up various monitoring tools
- Very good experiences with pinpoint APM
- Graylog or ELK stack

Personal Skills



Other Experiences and Professions

Trainer Trainer for DevSecOps Engineering

[BIM Training](#)

Teach and train for DevSecOps Engineering classes

Mentorship Mentor for CS50

[Personal](#)

Personal mentor for CS50 - Introduction to computer science

Consultant ICT Consultant for Election Monitoring

[NDI, Washinton DC](#)

Develop data collection software (Web based and SMS). Data synchronization between cloud and local server. This software is used in

- 2015 General Election Myanmar
- 2017 By-Election Myanmar
- 2017 General Election Cambodia
- 2020 General Election Myanmar

Cloud DataCenter Migration

[blueplanet.com.mm](#)

Move on-prem datacenter to AWS cloud. Auto scaling EC2 instances using spot instance. Data replication between on-prem and cloud. Asterisk SIP routing from cloud to on-prem servers.

Education

2001 - 2004 Bachelor's Degree in German Language

[UFL, Mandalay](#)

Specialized in German Language

Certifications

01/2023 CKA

[cncf.io](#)

Certified Kubernetes Administrator

04/2019 LinuxFoundationX - LFS158x

[edx.org](#)

Introduction to Kubernetes

09/2014 CCNA Cisco Certified Network Associate

[PearsonVUE](#)

Routing and Switching

Training

Self-Paced **LFS258 Kubernetes Fundamentals**
Certified Kubernetes Administrator Program

linuxfoundation.org

09/2018 **RedHat Openshift Workshop**
Openshift setup on-prem with Ansible. Openshift Architecture

[RedHat](#)

07/2018 **VMware Certified Professional 6.5**
Datacenter Virtualization

[BIM Training, VMware Official](#)

09/2014 **Advanced Network Engineering**
Advanced networking. Routing and switching

[RHC Technologies](#)

March 20th, 2023

Sithu Thwin