



# SiThuThwin

## SRE Team Lead and Solution Architect



### Address

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### Contact

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### Mail

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### 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

- Solution Architect for personal banking, next generation mobile banking, business credit card portal and bancassurance.
- Solution Architect for Central Bank integration. Solution Architect and advisor for MMQR API integration between banks in Myanmar.
- Solution Architect for AML/CFT integration with Core Banking.
- 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.
- Develop microservices architecture principles, API GW integration architecture principles. Design and build essential microservices to use in various integration.
- 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.
- 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](https://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**