



SiThuThwin

SRE Team Lead and Solution Architect



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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

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

Referee
Sander Meinema
sander@architectin-
gasaservice.com

Experience

- 08/20 - 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.
Design CI/CD pipeline architecture that include centralized configuration management to use in the whole organization.
Create gitflow principles to be followed by all developers and DevOps.
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
- 03/19 - 08/20 **Lead DevOps Engineer** [YOMA Bank](#)
Lead DevOps in Digital Transformation. Designed CI/CD pipeline and Gitflow for new mobile/online banking app based on Backbase.
Deploy Kubernetes Cluster on Azure and on-premise Datacenter.
Integrate ISTIO and Netflix Eureka based microservices.
Develop k8s helm charts for backbase deployment.
Maintain maven files for JAVA package and docker image building.
Training DevOps team.
Work closely with Backbase Solution Team for deployment and infrastructure architecture.
Build scalable deployment for Backbase framework and related system such as ActiveMQ.
Successfully integrate ISTIO with Backbase to use all essential features in ISTIO such as mTLS. Probably I'm the first person in the world to do this in production system.
- 11/17 - 03/19 **Assistant Team Lead (System and Database)** [YOMA Bank](#)
Oracle and MySql management. Maintain Digital Channel (Mobile Banking) and Finastra's Fusion Middleware
- 08/17 - 11/17 **Database Specialist** [YOMA Bank](#)
Oracle and MySql management. Developed Cash Management Portal (YOMA and McKinsey project)
- 04/16 - 08/17 **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

Personal Skills



Other Experiences and Professions

Trainer	Trainer for DevSecOps Engineering Teach and train for DevSecOps Engineering classes	BIM Training
Mentorship	Mentor for CS50 Personal mentor for CS50 - Introduction to computer science	Personal
Consultant	ICT Consultant for Election Monitoring Develop data collection software (Web based and SMS). Data synchronization between cloud and local server. This software is used in <ul style="list-style-type: none">• 2015 General Election Myanmar• 2017 By-Election Myanmar• 2017 General Election Cambodia• 2020 General Election Myanmar	NDI, Washinton DC
Cloud	DataCenter Migration 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.	blueplanet.com.mm

Education

2001 - 2004	Bachelor's Degree in German Language Specialized in German Language	UFL, Mandalay
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Certifications

01/2023	CKA <i>Certified Kubernetes Administrator</i>	cncf.io
04/2019	LinuxFoundationX - LFS158x <i>Introduction to Kubernetes</i>	edx.org
09/2014	CCNA Cisco Certified Network Associate <i>Routing and Switching</i>	PearsonVUE

Training

Self-Paced	LFS258 Kubernetes Fundamentals Certified Kubernetes Administrator Program	linuxfoundation.org
09/2018	RedHat Openshift Workshop <i>Openshift setup on-prem with Ansible. Openshift Architecture</i>	RedHat
07/2018	VMware Certified Professional 6.5 <i>Datacenter Virtualization</i>	BIM Training, VMware Official
09/2014	Advanced Network Engineering <i>Advanced networking. Routing and switching</i>	RHC Technologies

March 20th, 2023

Sithu Thwin