SiThu**Thwin**

Senior Manager - SRE and Solution Architect

Traits

Quick Learner
Innovative

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Social

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Web & Git

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

DevSecOps

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

Summary of Qualifications:

- Extensive experience in building complete DevSecOps pipelines, including continuous integration, continuous delivery, and automated testing.

- Proven track record of successfully migrating legacy development and deployment infrastructure to modern DevSecOps pipelines, resulting in improved efficiency and scalability.

- Strong analytical and problem-solving skills, with the ability to assess complex organizational workflows and provide expert consultation to transform them into modern DevSecOps practices.

- Proficient in a wide range of DevOps tools and technologies, including Kubernetes, Docker, Jenkins, Ansible, Terraform, Prometheus.io, and more.

- Solid background in Linux system administration and solution architecture, ensuring optimal performance and security of infrastructure.

- Experience in cloud environments, such as Amazon Web Services (AWS) and Microsoft Azure, enabling seamless deployment and scalability of applications.

- Excellent communication and collaboration skills, with a proven ability to work effectively with cross-functional teams and stakeholders.

- Experience working in scrum team with people of various nationatilities and expertise.

- Experienced development professional skilled in Python Flask, PHP/Laravel, bash scripting, and Java Spring Boot. Strong background in web development and automation with a basic understanding of C and C++.

Experience

Apr/23 - Now **Senior Manager - SRE**   YOMA Bank

- Led a team in evolving from a traditional platform team to a robust SRE team, driving the implementation of DevSecOps practices and ensuring the stability and scalability of systems. 3 Teams involving Cloud/Microservices team, System/Infra team and Application maintainance.
- Focusing on observability improvements. Ensuring enterprise practices and principles to be followed by the team.
- Focusing on propagating indepth knowledge of the Technologies using in the bank.
- Set annual KPI of the team and each member in the team by discussing one on one.
- Technical vendor management.
- Solve critical issues in any system and find out root cause.

Experience

May/22 - Apr/23 **Senior Manager - Platform Team Lead**   YOMA Bank

- As solution architect, developed many applications and more than 100 microservices. While architect and giving solutions, I was also leading the platform team involving engineers with different expertise such as VMWare, Oracle, Linux, Windows, DBA, DevOps and Application System Specialists.

Apr/20 - Apr/22 **Senior Manager - Solution Architect**   YOMA Bank

- While still working as Lead DevOps engineer, started to take position of solution architects. Developed enterprise architecture in Architect Office with colleagues. Developed architecture for common services in integration layer for Core Banking APIs to be consume by various frontend applications.

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

- Lead DevOps in Digital Transformation. Responsible for building CI/CD pipeline and Training DevOps Engineers.
- Founded DevOps team as a first engineer. Expended to DevOps team by conducting various training to juniors and recruits involving more than 10 engineers after 1 years. Developed gitflow and pipeline principle for the organization.

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

- Maintain Core Banking, Digital Banking application backend services which include IBM Websphere, Active MQ, Oracle DB.
- Led the team responsible for maintainance of the all application in bank system.
- Oracle and MySql management.
- Responsible for daily maintainance of Databases. Improving database and system performance. I have successfully improved 7 hour long DB backup process to complete within 20 Minutes.

Apr/16 - Aug/17 **Senior System Administrator**   Blue Ocean Call Center

- Manage SIP Gateway, Asterisk, VMware, UCS server, SIP routing.
- Responsible for all hardware/software in the whole Data Center with 4 Racks and 10 ESXi Servers.
- Adding/installing/configuring for ESXi Servers, Dell EMC servers.
- Setting up Databases, Web Servers, Applications Servers.
- Develop PHP based applications required for the company. Such as small CRM application.

Skills

Microservices **Kubernetes, Helm, IAM, API, Messaging, GitOps**   DevOps

- Expert in Kubernetes Cluster Management. CI/CD pipeline developments. DevOps and NFR tooling. Proficient with Kubernetes and developing Helm charts
- Well understanding of Keycloak, RHSSO and WSO2 APIM. Have fundamentals knowledge of IAM and APIs. Applicable knowledge and experienced about API and Restful standards.
- Very well experience in ISTIO, mTLS, Service Mesh, Manage and configure Kafka, CDC, MQ, ActiveMQ, Strimzi, Debezium
- git operation and gitflow, Jenkin, Jira, SonarQube
- Can work with any DevOps tools used for NFR infrastructure, Grafana, Prometheus, Jaeger, Zabbix, Pinpoint, Graylog

System Engineering **Linux, Windows Servers, Cloud, VMWare**   DevOps

- Expert in Linux. Well experienced Windows system administration.
- More than 7 years experienced in working on AWS and Digital ocean. More than 4 years working on Azure Cloud.
- Experience with VCenter management, SAN storage management. Good knowledge with TCP/IP network stacks.

Programming **Python, PHP, C, C++**   Development

- Good experience with Python flask, wsgi
- A lot of projects written in PHP and Laravel Framework
- bash script and automation
- Workable knowledge with JAVA springboot, maven, gradle
- basic understanding about C and C++

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

- SQL Language, Oracle RAC cluster, RMAN, Dataguard, MongoDB cluster, MySQL clusters

Certifications and Degree

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

2001 - 2004 **Bachelor's Degree in Foreign Languages**   UFL, Mandalay
Specialized in German Language

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 syncronization 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.

Training

Self-Paced **LFS258 Kubernetes Fundamentals**   linuxfoundation.org
Certified Kubernetes Administrator Program

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

07/2018 **VMware Certified Professional 6.5**   BIM Training, VMware Official
Datacenter Virtualization

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

Jun 25th, 2023   **Sithu Thwin**