Hello
I'm Kyaw Thet Han.

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Objective

Seeking a position or opportunity where extensive experience will be further developed and utilized.

Skills

- Linux and Window server operating system administration
- AWS, Azure, Google, DigitalOcean (Cloud Services)
- Docker, Kubernetes (Container and Orchestration)
- Bash and Ansible (Automation)
- Terraform, Cloudformation, Helm Chart (Infrastructure as Code)
- Cloudwatch, Azure monitor, Nginx, Zabbix, Prometheus, Grafana. Cacti (Monitoring)
- Git, Gitlab , Jenkins and Codepipeline (CI/CD)
- ArgoCD (Gitops)
- Python (Web2py, Scripting, Flask)
- PHP (Laravel, Wordpress)
- HTML, Javascript (Node.js, Vue.js, Next.js)
- Java (Spring/Spring Boot)
- Working for highly available enterprise systems
- System and Database migration
- Good English 4 skills
- Work well with others
- Self motivated

Knowledge

- Virtualization, Cloud environment and modern data center. Familiar with multiple hypervisors like Xenserver, VMware ESX / ESXi , Linux KVM.
- Familiar and understand how private cloud with Openstack deployment work
- Knowledge of the Linux kernel and kernel modules.
- Understand various authentication method kerberos, OAuth, JWT, Certificate Chain (Private/Public key authentication)

- Familiar with CIS benchmarks for on-premise, AWS and Azure.
- Familiar with open source tools, monitoring systems, troubleshooting, change tracking and routine maintenance.
- Automated Machine Image building and provisioning (Packer and Cloud-Init)
- AWS well-architected framework
- Network Routing and Switching.
- VOIP and SIP routing.
- Video Encoding/Decoding Process, live streaming and Content Management.
- Networked storage (SAN, NAS) concepts.
- ITIL (Information Technology Infrastructure Library)

Experience

Oct 2019 - Present

NEX4 ICT Solutions, MICT, Hlaing, Yangon – *Senior System/Cloud Engineer*

- Performed infra setup and management for multiple AWS and Azure Accounts.
- Performed Microsoft Exchange to O365 migration span across 3 different organizations and 2 tenants.
- Implemented Microsoft Intune, Data Loss Protection (DLP) for device management and endpoint security.
- Builded Custom AMI images that comply with customer's organization policy.
- Developed Infrastructure as Code (IaC) infras with Cloud Formation and Terraform.
- Managed E-commerce, VoD and Music streaming platforms and Banking backend systems.
- Performed service and configuration management of EC2 instances on aws with Ansible.
- Performed AWS, Azure infra assessment for improving Cost and Utilization Efficiency
  - Over 50% cost optimization for an E-commerce system.
  - Optimize SAP on Azure cost by 40%.
- Planned and implemented On-Premise to Cloud / Cloud to Cloud Migrations and HA setup.
  - DigitalOcean to AWS
  - AWS region to region
- Implemented Cloud DR solutions and Data Protection Solutions.
- Implemented CI/CD pipeline for android, laravel and java applications with Gitlab Pipeline and AWS codepipeline services.
- Deployed HA and scaling for MSSQL, Postgres, Mysql DBs, redis and mongodb.
- Deployed auto scaling on API services.

- Tested and implemented SD-WAN integration with AWS Transit Gateway.
- Designed and implemented Microservice Kubernetes infra solution on AWS.

Sep 2017 - Sep 2019

Frontiir Co.Ltd. , Myangone, Yangon – *Senior Associate System Engineer*

- Worked together with the RnD team for utilizing the new storage system (Termaxia).
- Performed performance bottleneck troubleshooting concerned with web server and databases
    - Web: nginx, apache (php-fpm) and various wsgi (gunicorn , uwsgi)
    - Database: mysql, postgresql, mongodb
- Setuped and maintained monitoring systems like Nagios, Munin(odoo), Cacti, Observium and Prometheus.
- Developed two systems for team internal use - hardware inventory management system using "web2py" and simple customer circuit management tool using php and bootstrap.
- Performed as Devops in projects related to iptv, voip and Business operation support systems.
- Implement CI pipeline with jenkins and later Gitlab pipeline with Gitlab Runner for Laravel and Flask projects.
- Implemented centralized ELK log analytic system.
- Involved in the development and launch of two video streaming projects (mobile app and tv box).
- Performed network automation with ansible (VXLAN setup).
- Involved in Data Center Migrations.

May 2017 - Aug 2017

Frontiir Co.Ltd. , Myangone, Yangon – *NOC/Network Engineer (Intern)*

- Troubleshoot Business Internet (BI) and Dedicated Internet Access(DIA) circuit.
- Monitor Back Bone Network with Nagios and Cacti.
- Customer ticket handling and escalating.

Education

Graduated Nov 2019

University of Information Technology, Parami Rd, Hlaing Campus, Yangon – *M.C.Sc (High Performance Computing)*

Graduated Nov 2017

University of Information Technology, Parami Rd, Hlaing Campus, Yangon – *B.C.Sc (High Performance Computing)*

Certificate

- CKA: Certified Kubernetes Administrator (https://bit.ly/3shGGmt)
- AWS Devops Professional (https://bit.ly/3BFeuNe)
- AWS Certified Cloud Practitioner (CLF) (https://bit.ly/35fyb2a)
- Microsoft Certified: Azure for SAP Workloads Specialty (https://bit.ly/3BCrCTm)
- AZ-300 : Microsoft Azure Architect Technologies (https://bit.ly/3v5HAnA)
- CCNA Routing & Switching - Cisco
- Information Technology Passport Examination of ITPEC
- Fundamental Information Technology Engineer Examination of ITPEC
- Enterprise Foundation Network Associate - V2M Co., Ltd
- Advanced IT Training (ITIL) - Hitachi Myanmar Lab
- Basic Electronic Troubleshooting - Frontiir
- Radio Frequency Fundamental - Frontiir