Wai Yan Soe *DevOps Engineer*

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Professional Experience

DevOps Engineer, *Yoma Fleet Co.,Ltd* ⬈
Sep 2024 – present
Yangon, Myanmar | Remote

- Maintained and optimized microservices architecture to enhance scalability, system integration, and deployment flexibility for internal and external cloud-native applications.
- Provisioned secure, scalable infrastructure using Terraform and Terraform Cloud, leveraging private custom modules for AWS infrastructure and observability tools such as Grafana Cloud.
- Built and managed containerized workloads on Amazon ECS, integrated with API Gateway and event-driven logic using AWS Lambda.
- Automated CI/CD pipelines using AWS CodePipeline and GitHub Actions, with integrated unit testing, security scanning, and automated deployments via AWS CodeDeploy.
- Implemented DevSecOps practices using tools like SonarQube, Snyk, Trivy, Checkov, and AWS security services (GuardDuty, Security Hub, AWS Config) to ensure application and infrastructure security and compliance.
- Deployed and maintained monitoring solutions including Grafana Cloud, AWS CloudWatch, and Sentry for real-time observability, alerting, and performance tracking.
- Worked collaboratively with developers, product managers, Scrum Masters, and system/network teams to troubleshoot issues and improve delivery pipelines.
- Created detailed documentation and onboarding materials to support internal DevOps adoption, operational consistency, and process transparency.

DevOps Engineer, *HQS Co.,Ltd | QSlogic* ⬈
Nov 2022 – Aug 2024 | Yangon, Myanmar

- Collaborated closely with software development teams to streamline CI/CD pipelines and align with DevOps best practices.
- Containerized applications using Docker and Docker Compose, including Node.js (React), Java (Spring Boot), and Python (Django), and deployed them on AWS EC2 and on-premise virtual machines.
- Managed traffic routing for multiple services using Nginx reverse proxy to containerized applications.
- Implemented CI/CD pipelines using Jenkins and Bitbucket Pipelines for automated build, test, and deployment.
- Administered PostgreSQL and MongoDB databases; configured PostgreSQL High Availability with Patroni, etcd, and HAProxy.
- Automated backup tasks with Bash scripts and scheduled cron jobs for file and database backups.
- Deployed monitoring, logging, and alerting using the Elastic Stack (ELK) to observe system and application health.
- Designed system architecture and infrastructure diagrams to support deployment and documentation processes.

Infrastructure Support Engineer, *ATG Systems Co., Ltd* ⬈
Apr 2021 – Oct 2022 | Yangon, Myanmar

- On-site customer support to ensure smooth operation and optimal performance of infrastructure network and system components.
- Monitored and maintained on-premise infrastructure (Routers and Switches, Servers, Storage and Backup systems, Virtualization, and more).
- Collaborated with engineers and technical teams to promptly identify and report issues for timely resolution.

Senior Operations Executive, *Myanmar Intel Essen Logistics Co.,Ltd.*
May 2016 – Feb 2021 | Yangon, Myanmar

- Analysed logistics operations to identify inefficiencies, optimized transportation and warehouse processes for cost savings, and managed scheduling with strategic cost monitoring.

Education

Bachelor of Arts, *Hinthada University*
Hinthada, Myanmar
Studies postponed due to COVID-19 pandemic; continued independent learning and certifications in cloud and DevOps technologies.

Core Skills

- **Cloud Infrastructure Management:** Amazon Web Services (AWS Cloud), Google Cloud

- **Infrastructure as Code (IaC):** Terraform & Terraform Cloud

- **Containerization & Orchestration:** Docker, Kubernetes, Amazon ECS, Amazon EKS, Google GKE

- **CI/CD Tools:** Jenkins, GitHub Actions, GitLab CI, AWS Code Pipeline, Bitbucket Pipeline

- **Observability & Monitoring:** CloudWatch, Grafana Cloud, (Logs, Metrics, Traces, Custom Dashboards and Alerting)

- **Programming & Scripting:** Python, Golang, Bash, Batch

- **Databases Knowledge:** PostgreSQL, MySQL, MongoDB

- **DevSecOps Tools:** SonarQube, Snyk, Trivy, Checkov, Prowler, AWS Security Tools, AccuKnox

Certifications and Learning Badges

- Google Cloud Certified Associate Cloud Engineer - Google Cloud ⧉

- Prometheus Certified Associate (PCA) - KodeKloud ⧉

- Linux Foundation Certified System Administrator (LFCS) - KodeKloud ⧉

- LFS169: Introduction to GitOps - The Linux Foundation ⧉

Key Achievements

CI/CD
- Migrated CI/CD pipelines from Jenkins to Bitbucket Pipelines, reducing build times by 35%, lowering server resource usage, and simplifying pipeline maintenance across teams.
- Integrated Ansible into Bitbucket Pipelines for automated server configuration and zero-touch deployments, reducing manual intervention by 80%, minimizing deployment script complexity, and improving production server control.
- Transitioned from GitFlow to Trunk-Based Development, accelerating release cycles and increasing deployment frequency by 40% while reducing merge overhead and conflicts.
- Implemented feature flag strategy using AWS AppConfig to support safe deployments and progressive delivery.

Security
- Performed infrastructure security scans using Prowler, AWS Security Hub, and AWS Config, resolving 85% of Critical, High, and Medium findings within two weeks, significantly reducing the overall security risk.
- Implemented static analysis of Terraform code using Checkov and remediated 90% of reported vulnerabilities, ensuring infrastructure-as-code compliance with internal security standards.
- Integrated SonarQube, Trivy, Snyk, and TruffleHog into the CI/CD pipeline, enabling continuous security validation during development and reducing staging-level security issues by 60%.

Observability
- Developed custom Grafana dashboards and real-time alerts for infrastructure and application logs, reducing incident detection and response time by 50%, with easier access to log metrics for engineers.
- Designed and implemented custom Grafana dashboards tailored to business requirements, providing real-time visibility into application logs and improving operational insights for stakeholders.
- Integrated IoT hardware logs into Grafana, enhancing system observability and enabling real-time visibility into hardware-level behavior for faster diagnostics and troubleshooting.