

ERLOU MIGUEL SALVACION

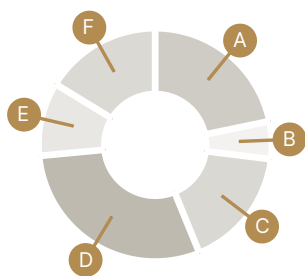
build. automate. reliability. security.

+61477175128 @erloumiguel@gmail.com Adelaide, SA

SUMMARY

I am an avid enthusiast of **Solution Architecting**, **Platform Engineering**, and **DevOps**, with specialized expertise in networks, systems, security, and automation. My background includes optimizing enterprise operations and automating the deployment of applications and services, with a focus on **security & reliability** engineering.

TYPICAL DAY



- A Work with app owners and other stakeholders
- B Cloud services planning and design
- C Dealing with ambiguous/undefined issues
- D Automation and 'X'-as-Code
- E Sports
- F Learning new stuff

PROFESSIONAL EXPERIENCE

DevOps Engineer

05/2024 - Present

LIFELENZ

Australia

Workforce management platform for businesses.

- Streamlined Terraform workflows by converting complex configurations to Terraform 1.0 standards
- Implemented the integration of security scanning for CI/CD such as secret detection, SAST and container scanning
- Migrated applications running on EC2 instances to containerized environments and successfully deployed them to Kubernetes clusters across multiple environments
- Successfully restored a K8s master by restoring etcd ensuring minimal downtime and preserving cluster integrity.
- Implemented mTLS secure connection in a K8s cluster using Istio

Site Reliability Engineer

06/2023 - 10/2024

MariaDB

Singapore

Provides open source database and database as a service (DBaaS) solution

- Ensured continuous uptime for deploying hundreds of Managed Kubernetes instances weekly using ArgoCD stack
- Implemented Prometheus and Grafana monitoring for over 100 Kubernetes clusters by developing custom PromQL queries to track critical performance metrics
- Optimized microservices resource management, reducing infrastructure costs by 25% and enhancing system performance by 15%
- Planned and implemented measures to reduce the cloud cost

Senior DevOps Engineer

06/2022 - 06/2023

data.ai

Singapore

Providing mobile app data insights

- Maintained 99.99% uptime for APIs and the mobile platform, serving thousands of users reliably
- Enhanced CI/CD pipelines for microservices deployment and cloud services
- Helped developers to migrate 100s microservices from legacy platforms
- Monitored cloud services using New Relic and CloudWatch with PagerDuty/Slack integration
- Optimized content delivery and security for web applications by integrating Akamai's CDN and security solutions, resulting in faster load times and improved protection against DDoS attacks across multiple global regions

<https://www.data.ai/>



CERTIFICATIONS

AWS Solution Architect

AWS SA License: ZK9LDX5KLB1QMCY

Red Hat Certified System Administrator

RHCSA License: 150-048-171

Cisco Certified Network Professional

CCNP ID: CSC011267880

Microsoft Certified Tech Specialist

MCP ID: 6339635

SKILLS DEVELOPED

'X'-as-code

Platform & Reliability Engineering

Network & CyberSecurity

Solution Architect

Stakeholder Communication

Project Management

EDUCATION

B.S. Information Technology

Mapúa Institute of Technology

2004 - 2008

Philippines

AWARDS

Hackathon Winner 2021

Global SRE 4 Liveramp - Platform

Best in Computer Science

Four straight years in high school

PROFESSIONAL EXPERIENCE

Cloud DevOps - Site Reliability Engineer

09/2019 - 06/2022

LiveRamp

Singapore

Providing marketing solutions as PaaS

- Streamlined and optimized infrastructure-related services through Terraform consolidation and refactoring
- Monitor and observe the SaaS using Datadog with Slack/PD integration
- Managed SaaS infrastructure for over 10,000 users, prioritizing reliability and scalability.
- Secures north-south and east-west traffic of the cloud infrastructure, Kubernetes
- Built a CI/CD pipeline via pipeline-as-code approach (Spinnaker & Jenkins)
- Contributed to a Django-based self-service dashboard project, minimizing dependence on SRE Engineers
- Built over 30 GKE clusters for different environments (Dev, Staging and Prod)

TechOps Engineer (DevOps/Network)

09/2018 - 09/2019

NTT Security

Singapore

A branch of NTT Group specialised in network security

- Configured routing, security, and VPN connectivity between data centers, cloud environments, and VPCs, facilitating seamless data transfer
- Design and deployed multi-site infrastructure on AWS using Infra-as-code
- *Cloudification* and containerize of IT apps to Kubernetes
- Worked with developers to enhance the CICD pipeline

IT Engineer

09/2013 - 03/2018

KDDI Singapore

Singapore

Enterprise system integrator and telecom provider

- Collaborated closely with clients to successfully execute a range of projects, including:
- Migrated critical applications to virtualized environments.
- Designed and implementing a network consolidation project for a Japanese bank company.
- Managed the relocation of data centers, ensuring seamless transitions and minimal disruption to operations.
- Cultivated client relationships through communication and exceptional service
- Conducted proof of concepts (POCs) for IT infrastructure solutions.

IT Infrastructure Engineer

06/2012 - 09/2013

M5 Technologies

Singapore

System integrator specialised in SMB office relocation and setup

- Collaborated closely with clients to successfully execute a range of projects, including:
- Setup of new office, overseeing the implementation of IT infrastructure from inception to completion
- Upgraded SAN Storage and Microsoft Active Directory systems, ensuring smooth transitions and enhanced performance
- Demonstrated expertise in project management, overseeing project planning, execution, and post-implementation support

System Engineer

09/2010 - 06/2012

ReadySpace Network

Singapore

One of the leaders in hosting and cloud provider in Singapore

- Led the professional service by 100% free complaints which includes deploying Linux applications and co-location
- Closed help desk for about 10 tickets a day by fixing complicated issues on the network and server applications
- Designed and secured the servers by implementing security technologies as well as hardening of operating system
- Assisted our CTO for new deployments and product offerings of ReadySpace

FIND ME ONLINE



Instagram

instagram.com/erlchamp



LinkedIn

linkedin.com/erloulmiguel

TECH STACK

Automation & Cloud

Kubernetes • Database • Python Scripting •

Terraform • Linux • Docker •

Helm/Kustomize • Cloud Services •

ArgoCD/Spinnaker • Jenkins • Git •

REST API • Terragrunt • Service Mesh •

API Gateway • Grafana • Prometheus

Network

Routing & Switching • VPN Tunnels •

Firewalls • VPC Peering • CDN • WAF •

Load Balancing

LANGUAGES

Mandarin Beginner ● ● ● ● ●

English Fluent ● ● ● ● ●

Tagalog Native ● ● ● ● ●