

ERLOU MIGUEL SALVACION

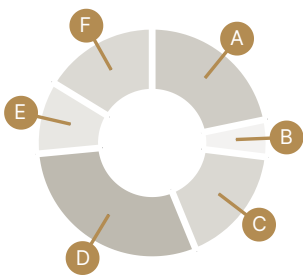
build. automate. reliability. security.

+61***** @erloumiguel@gmail.com erloumiguel.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 Align with application owners to gather requirements and drive initiatives
- B Cloud services planning and design
- C Tackle ambiguous technical challenges and resolve high-impact incidents
- D Automation and 'X'-as-Code
- E Implement DevSecOps practices
- F Explore emerging technologies and best practices to stay current

PROFESSIONAL EXPERIENCE

DevOps Engineer 05/2024 - Present
LIFELENZ Australia

Workforce management platform for businesses.

- Refactored and streamlined Terraform configurations to align with 1.0 standards, improving maintainability and team efficiency.
- Integrated automated CI/CD security checks (secret detection, SAST, and image scanning), strengthening pipeline compliance and shift-left security.
- Developed Platform/SRE engineering scripts to reduce toil by automating repetitive validation tasks across cloud environments.
- Recovered a failed Kubernetes cluster, minimizing downtime and preserving cluster integrity.
- Implemented mTLS to secure internal north-south traffic between APIs, enhancing service-to-service trust and security.

Site Reliability Engineer 06/2023 - 05/2024
MariaDB Singapore

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

- Maintained ArgoCD CI/CD pipelines, ensuring automated deployments across 100+ Kubernetes clusters with 25% faster release cycles.
- Improved microservices resource allocation through tuning and rightsizing, resulting in a 25% reduction in cloud infrastructure costs and a 15% boost in performance.
- Streamlined infrastructure as code using Terraform, reducing provisioning time by 15% across multi-cloud environments.

Senior DevOps Engineer 06/2022 - 06/2023
data.ai Singapore

Providing mobile app data insights

- Achieved 99.99% uptime for mission-critical APIs and mobile platform infrastructure, supporting seamless service for thousands of global users.
- Optimized CI/CD pipelines with Jenkins, reducing microservices deployment time by 40% and automating cloud infrastructure provisioning.
- Led migration of 200+ microservices from legacy monolithic systems to cloud-native Kubernetes architectures, improving scalability and fault tolerance.
- Enhanced global content delivery by implementing Akamai CDN and WAF, cutting load times by 25% and strengthening DDoS protection across multiple regions.



KEY ACHIEVEMENTS

- Enhanced Service Security
Enabled mTLS securing over 100 microservices with zero downtime.
- Improved Resource Utilization
Achieved 25% cost reduction in cloud infrastructure.
- Accelerated Deployment Time
Reduced deployment time by 30% through optimized CI/CD pipelines.
- Ensured Service Reliability
Supposed high availability for 99.99% APIs uptime.

CERTIFICATIONS

- AWS Solution Architect
- Red Hat Certified System Administrator
- Cisco Certified Network Professional
- Microsoft Certified Tech Specialist

NOTABLE PROJECTS

SRE Dashboard for Ops Automation

Developed a web-based internal dashboard using Python and Django to centralize and automate SRE operational tasks, reducing developer reliance.

Portfolio Website

Designed and built a static photography portfolio website by applying DevOps principles. Focused on automation, version control, CI/CD, and infrastructure-as-code to ensure easy updates, fast performance, and secure deployment.

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
- Refactored Terraform modules to standardize infrastructure as code, reducing configuration drift by 30% and improving module reusability
 - Led implementation of Spinnaker for CI/CD pipelines, enhancing automation with Jenkins and reducing deployment time by 35% across 15+ GKE clusters.
 - Built observability stack with Datadog, Slack, and PagerDuty, cutting incident response time by 25% for critical systems.
 - Secured Kubernetes clusters by implementing network policies and service mesh, reducing unauthorized access risks.
 - Supported SaaS infrastructure for 7,000+ users, achieving 99.9% availability and robust fault tolerance.

TechOps Engineer (DevOps/Network) 09/2018 - 09/2019

NTT Security Singapore

- A branch of NTT Group specialised in network security
- Deployed multi-site AWS infrastructure using Terraform, enabling seamless data transfer across VPCs with 20% reduced latency.
 - Containerized and migrated 10+ legacy internal applications to Kubernetes, improving scalability and reducing operational costs.
 - Configured VPN tunnels and firewalls to strengthen cloud security, reducing potential vulnerabilities.

IT Engineer 09/2013 - 03/2018

KDDI Singapore Singapore

- Enterprise system integrator and telecom provider
- Led the migration of mission-critical applications to a virtualized infrastructure, significantly improving system resilience and scalability.
 - Led a network consolidation project for a Japanese banking client, improving security and reducing latency.
 - Oversaw the complete relocation of a corporate data center, ensuring minimal downtime and uninterrupted business operations during the transition.
 - Executed multiple proof-of-concept deployments for enterprise network and infrastructure solutions, helping shape client architecture decisions.

IT Infrastructure Engineer 06/2012 - 09/2013

M5 Technologies Singapore

- System integrator specialised in SMB office setup
- Delivered end-to-end office IT infrastructure setups for SMB clients, including network cabling, hardware provisioning, and system deployment.
 - Upgraded SAN storage and Active Directory environments, significantly improving system reliability, performance, and user access control.
 - Managed project lifecycles from planning to post-deployment support, ensuring timely delivery and client satisfaction.

System Engineer 09/2010 - 06/2012

ReadySpace Network Singapore

- One of the leaders in hosting and cloud provider in Singapore
- Delivered zero-complaint professional services, deploying Linux-based applications for hosting and co-location customers.
 - Resolved an average of 10+ high-priority support tickets daily, covering complex networking and server issues.
 - Hardened Linux servers using security best practices, and assisted the CTO with product deployment strategies.

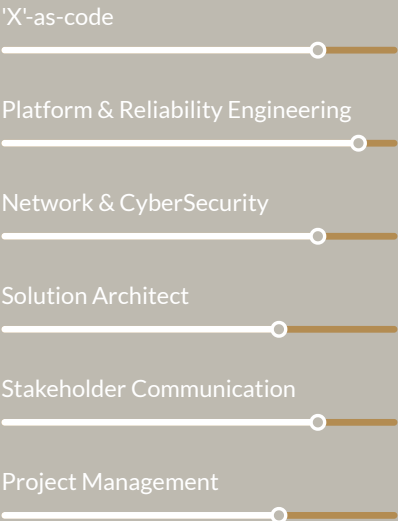
EDUCATION

B.S. Information Technology
Mapúa Institute of Technology
2004 - 2008 Philippines

LANGUAGES

Mandarin	Advanced	● ● ● ● ●
English	Fluent	● ● ● ● ●
Tagalog	Native	● ● ● ● ●

SKILLS DEVELOPED



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

FIND ME ONLINE

in LinkedIn
linkedin.com/erloumiguel

Instagram
instagram.com/erlchamp