

A. Renald Niswady

DevOps Lead - Senior Infrastructure Engineer



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 DKI Jakarta

 Indonesia

 renaldre.name

Professional Summary

Results-driven **DevOps Lead** and **System Engineer** with over 10 years of experience designing, automating, and scaling robust cloud infrastructure and CI/CD pipelines. Proven track record in orchestrating microservices migrations, leading IT GRC compliance efforts (ISO 27001, PCI-DSS), and implementing modern observability and GitOps frameworks across AWS, GCP, and Alibaba Cloud.

Areas of Expertise

- Systems Security & Compliance (DevSecOps / GRC)
- Cloud Platforms & Container Orchestration
- Observability, Monitoring & Log Management
- Linux System Administration
- CI/CD & Pipeline Automation

Professional Experience

05/2023

Jakarta, Indonesia

PT Pakar Digital Global (Paper.id), DevOps Lead

- Lead build, release, and configuration management architecture, supporting engineering teams in scalable deployment strategies.
- Modernized CI/CD infrastructure by migrating pipelines from Jenkins to GitHub Actions, implementing reusable workflows to boost deployment efficiency.
- Integrated SonarQube into CI pipelines to enforce clean code and unit test coverage standards across engineering teams.
- Deployed DORA metrics tracking using Apache DevLake to quantify DevOps efficiency and collaboration across teams.
- Supervise IT Governance, Risk, and Compliance (GRC) frameworks, adhering to ISO 27001:2022, PCI-DSS, and PIAS security standards.

2021 – 2023

Jakarta, Indonesia

PT Pasar Dana Pinjaman (Danamas.co.id), DevOps Engineer & ISMS Coordinator

- Managed Alibaba Cloud infrastructure (VPC, SLB, ECS, RDS, ACK, Redis), a Openstack-based Private Cloud and automated build/release workflows using GitLab CI and Bitbucket Pipelines.
- Designed and deployed microservices infrastructure leveraging Kubernetes, Docker, GitLab, Kong API Gateway, and SonarQube.
- Maintained ISMS compliance and led technical audits to maintain mandatory ISO 27001 certification under Financial Services Authority (OJK) regulations.

2020 – 2023

Jakarta, Indonesia

PT Pasar Dana Pinjaman (Danamas.co.id), Network Infrastructure Manager

- Manage Network and Infrastructure (Office, CallCenter, DRC)
- Manage site-to-site IPSec VPN tunnels with 3rd-party partners for secure Host-to-Host financial integrations.
- Maintained high-availability web services using HAProxy load balancing, Nginx reverse proxies, and session-clustered Tomcat Server.
- Participation in project scoping, requirements reviews, and technical discovery efforts.

2018 – 2020 Jakarta, Indonesia	PT Pasar Dana Pinjaman (Danamas.co.id), Sr. System Administrator • Maintained high-availability web services using HAProxy load balancing, Nginx reverse proxies, and session-clustered Tomcat Server. • Managed site-to-site IPSec VPN tunnels with 3rd-party partners for secure Host-to-Host financial integrations. • Configured point-in-time recovery for PostgreSQL databases (Barman) and set up cross-site DC-DRC infrastructure for high availability. • Managed (Tenant) private cloud virtualized infrastructure running OpenStack, VMware, and Proxmox clusters with HA CEPH storage. • Implemented central logging (ELK) and monitoring dashboards (Zabbix + Grafana) to maximize system uptime and operational visibility.
2016 – 2018 Jakarta, Indonesia	PT Gajah Merah Terbang (Kincir.com), System Administrator • Maintained high-availability web services using HAProxy load balancing, Nginx reverse proxies, and session-clustered PHP Web Application • Manage Multiple Baremetal server including the virtualization (Linux KVM) for various functionality, Application Server, Database Server, Monitoring, Logging. • Established centralized logging and data protection using Bareos and Graylog-Elasticsearch stacks.
2013 – 2016 Jakarta, Indonesia	PT Orion Cyber Internet (orion.net.id), System Administrator • Managed core datacenter infrastructure services including authoritative and Recursive DNS (PowerDNS, BIND, Unbound), WHM cPanel for Web Hosting Services, mail servers (Zimbra), SMTP, VPN, and VoIP systems (MyPBX, FreePBX) • Executed system-wide migrations and implemented automated regulatory DNS filtering solutions. • Maintaining Tier-II Datacenter operational (for client who use our colocation services)
2007 – 2021 Jakarta, Indonesia	PT. Orion Cyber Internet, System Administrator System Administrator for Vivagamers.com ☞ - Counter-Strike 1.6 Linux Game Server • Manage Multiple Game Server of Valve Counter-Strike 1.6 (Linux) Hosted by PT. Orion Cyber Internet • Monitoring • Logging • Ban Management System • Basic security protection

Education

2007 – 2013 Jakarta, Indonesia	Bachelor's Degree in Information Systems, Bina Nusantara University
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Projects

PT Pakar Digital Global

- **Modernized CI/CD from Jenkins to GitHub Actions**, embedding automated testing, code coverage, and security scanning as pipeline gates, and championed **DORA metrics** to drive delivery performance.
- **Led the production cloud migration from GCP to AWS** — re-platforming compute, databases, and networking (EKS, EC2, VPC, VPN) with minimal disruption.
- **Drove PCI-DSS and ISO 27001 compliance**, directing infrastructure re-architecture (network segmentation, access controls, logging/monitoring) and actively involved in the **ISO 27001:2013 to 2022 upgrade process** in collaboration with the IT GRC team.
- **Owned a FinOps program identifying \$80K+/year in cloud savings** through EBS snapshot lifecycle redesign and EC2/database right-sizing across 45 production VMs.

PT Pasar Dana Pinjaman

- **Microservices Infrastructure:** Designed microservices architecture using Kubernetes, Docker, Kong API Gateway, Nexus, and SonarQube for monolithic-to-microservices migration.
- **Compliance & DRC:** Built DC-DRC infrastructure, ISO 27001 ISMS setup, and cross-site IPSec VPN tunnels for financial regulatory compliance (OJK, PCI-DSS).
- **Private Cloud & Storage:** Deployed high-availability Proxmox clusters with CEPH/ZFS storage, as well as OpenStack and VMware environments.
- **Database Disaster Recovery:** Implemented Point-in-Time Recovery (PITR) for PostgreSQL using Barman and Corosync-Pacemaker HA clusters.
- **Observability & Analytics:** Deployed ELK/Graylog logging stacks, Tableau Server, and Zabbix/Grafana monitoring walls (using Raspberry Pi displays).

PT Gajah Merah Terbang

- **High-Availability Web Infrastructure:** Managed HAProxy load balancing, Nginx reverse proxies, and session-clustered Tomcat servers for high web traffic.
- **Data Protection & Monitoring:** Implemented centralized logging using Graylog-MongoDB-Elasticsearch, Zabbix monitoring, and Bareos backups.

PT Orion Cyber Internet

- **Network & Security Services:** Implemented regulatory DNS filtering (BIND, PowerDNS, Unbound) and migrated legacy DNS databases.
- **Core Datacenter Ops:** Managed core email infrastructure (Zimbra 32-bit to 64-bit migration), Cacti monitoring, and multi-platform CCTV systems.