

Herwindra Berlian

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Summary

DevOps & Cloud Engineer with 9+ years of experience managing hybrid infrastructure, automating deployments, and implementing CI/CD across Linux/Windows systems and multi-cloud platforms including AWS, Google Cloud, and Microsoft Azure. Delivered containerized solutions and GitOps pipelines using Kubernetes and Terraform, reducing deployment time by 40% and infrastructure costs by 20%. Experienced in cloud migration, Infrastructure as Code, observability, DevSecOps, and production reliability, with experience mentoring 100+ cloud engineering participants in AWS DevOps training programs.

Skills

Cloud Platforms	AWS, Google Cloud, Microsoft Azure
Containers & Orchestration	Kubernetes, GKE, EKS, AKS, Docker, Helm
Infrastructure as Code (IaC) & Automation	Terraform, YAML, Bash, Linux, Python, GitOps
CI/CD	GitLab CI, GitHub Actions, ArgoCD, FluxCD, GitLab Runner
Observability	Prometheus, Grafana, Datadog, Nagios, Uptime Kuma, Botkube
Security & DevSecOps	HashiCorp Vault, SonarQube, Gosec, SAST, OPNsense
Databases & Storage	PostgreSQL, MySQL, SQL Server, Redis, MinIO, Firestore, Rook Ceph

Work Experience

Gardeneur, Inc. ([Letshubon.com](https://letshubon.com)) *San Jose, California, United States*

DevOps Engineer *(June 2025 – Present) Remote*

Expanded ownership as DevOps Engineer to lead migration execution, release operations, and production reliability improvements across HubOn environments.

Infrastructure & Cloud Migration

- Led GCP-to-Azure migration setup for HubOn production and staging environments, including infrastructure provisioning, routing, and database connectivity.
- Built and maintained Azure-based infrastructure changes via Terraform in terraform-hubon, including AKS/ACR/database-related updates.
- Standardized environment provisioning using Terraform + Helm structure across HubOn services.

GitOps, CI/CD & Release Operations

- Managed Azure GitOps repositories for HubOn with FluxCD in azure-fluxcd-hubon.
- Continued release operations in production-fluxcd-hubon and staging-fluxcd-hubon.
- Handled deployments for core workloads: hubonapi, hubonweb, hubonshopify, hubonroute, hubonapi-daily, hubonapi-hourly.

Reliability & Performance Engineering

- Resolved production/staging operational issues including CrashLoopBackOff, ingress scheduling constraints, probe timing, CronJob configuration mismatch, and MySQL prepared-statement issues.
- Performed resource and configuration tuning for application workloads and ingress components during active release cycles.

Security, Access & Platform Operations

- Managed SSL/certificate-related updates (including Kubernetes dashboard certificate flow).
- Implemented and adjusted ingress access controls (IP whitelist, proxy/auth adjustments, webhook endpoint exposure for Shopify/Stripe-related flows).
- Added/maintained operational components such as Uptime Kuma, Redis/RedisInsight manifests, and Kubernetes dashboard access manifests.

PT Privy Identitas Digital ([Privy.id](https://privy.id)) *Yogyakarta, Indonesia*

DevOps Engineer *(February 2023 – June 2025) 2 years 5 months – Hybrid*

Progressed from System Engineer to Site Reliability Engineer and DevOps Engineer in a hybrid cloud-native environment across GCP and AWS.

Infrastructure & Cloud Engineering

- Migrated legacy workloads from on-prem to GCP (e.g., Biznet → GCP, GCR → Artifact Registry), reducing infra management effort by 40%.
- Implemented and refactored GitOps-based CD using FluxCD and Helm; improved release traceability and rollback speed.
- Built and maintained Terraform-based IaC modules for provisioning Kubernetes (GKE), databases, and network components.

CI/CD & Release Automation

- Developed GitLab CI pipelines and GitOps deployment flows; reduced manual deployment steps by 70%.
- Enabled blue-green deployments using release candidate flows, improving production stability.
- Integrated SAST using Gosec and SonarQube, enforcing secure and quality code delivery.

Observability & Cost Optimization

- Integrated Kubecost and Datadog to enhance resource visibility; reduced K8s cost waste by ~20%.
- Managed centralized logging and monitoring using tools like Prometheus, Grafana, Kwatch, Botkube, and custom scripts.

Security & Operations

- Managed HashiCorp Vault for multi-service secret handling.
- Designed HPA (Horizontal Pod Autoscaler) and CRD configs to improve auto-scaling and traffic management during spikes.
- Oversaw IP whitelisting and domain routing for multiple production stages.

Tools & Automation

- Built Python-based internal tools to automate daily ops and research tasks.
- Introduced and evaluated tools like ClickHouse, Signoz, Debezium, and Uptime Kuma for platform enhancement.

PT Link Apisindo Media - SEAL powered by AWS ([SEAL.or.id](#)) Malang, Indonesia

AWS Cloud and DevOps Instructor (February 2024 – July 2024) 6 months – Remote

Appointed as technical instructor for the AWS Full Stack Cloud Engineer program, delivering Kubernetes and AWS-native DevOps training.

- Designed and delivered the top-rated module (41.2%), covering Docker fundamentals, lifecycle, security, and orchestration using Kubernetes, EKS, ECS and ECR.
- Guided students through microservice deployment on AWS with Helm, readiness/liveness probes, and autoscaling.
- Recognized as the highest-rated mentor (58.8%) for clarity, delivery, and interaction in the mid-program survey.
- Mentored 100+ participants across 59 universities; increased AWS certification readiness for CLF-C02 and SAA-C03.
- Led collaborative learning and project-based mentoring sessions, facilitating team-based AWS Cloud practices.

PT Sinergi Informatika Semen Indonesia ([SISI.id](#)) Jakarta, Indonesia

System Architect (January 2021 – February 2023) 2 years 2 months – Hybrid

Led system modernization by introducing DevOps practices, containerization, and scalable architecture.

Infrastructure Modernization

- Migrated 5+ legacy binary apps (Laravel, Vue.js) from native deployments to Dockerized containers, reducing environment inconsistency and improving release velocity.
- Introduced Portainer for managing container lifecycle across dev, staging, and production.
- Integrated GitLab CI/CD pipelines to automate testing, deployment, and rollback procedures.
- Configured AWS services including EC2, RDS, and S3 to support production workloads and storage pipelines.
- Deployment cycle reduced by ~40%, improving delivery reliability and team autonomy.

System Design & Architecture

- Designed scalable, modular system architecture for multi-tenant SaaS and on-prem deployments using VMware, Hyper-V, PostgreSQL, SQL Server, and NGINX.
- Led cross-functional system integration for e-Gov, BUMN and IoT solutions, handling data pipelines, dashboard analytics.
- Managed system lifecycle from requirement gathering to production support with full documentation and release tracking.
- Supported 3 major BUMN platforms with zero critical incidents during production rollout.

System Engineer (January 2018 – December 2020) 3 years – Hybrid

Maintained critical enterprise infrastructure, introduced automation, and ensured application reliability.

- Deployed and maintained hybrid Windows/Linux servers (Windows Server, CentOS) with uptime >98.5%.
- Automated backup and release operations using Bash, PowerShell, Python, reducing recovery time and human error.
- Configured Prometheus for real-time monitoring and integrated Zabbix and Nagios to support alerting, service health checks, and incident escalation in legacy environments.
- Supported 7+ business units running integrated SAP and Microsoft Dynamics AX systems.
- Collaborated with development teams to implement staging-to-production flows using NGINX and secure networking.
- Reduced release-related downtime by ~50% and improved SLA compliance across core services.

Software Engineer (September 2016 – December 2017) 1 year 4 months – Onsite

Early-career contributor building internal platforms and digitizing approval processes.

- Built and launched 3+ enterprise web apps using Laravel, CodeIgniter, and Vue.js for internal e-Procurement workflows.
- Integrated backend systems with SAP for automated approval tracking and report generation.
- Developed mobile-first UI using Bootstrap and React Native for SHE (Safety, Health, Environment) reporting apps.
- Reduced paper-based process time by ~60%, improving approval accuracy for 5+ departments and cutting submission delays by 2–3 days per cycle.

Certifications

Amazon Web Services (AWS)	• AWS Certified Solutions Architect – Associate (SAA-C03) – Issued Jun 2025 • AWS Certified Cloud Practitioner (CLF-C02) – Issued Dec 2023
Microsoft Azure (AZ)	• Microsoft Certified: Azure Developer Associate (AZ-204) – Issued Jun 2025 • Microsoft Certified: Information Security Administrator Associate (SC-401) – Issued Jun 2025 • Microsoft Certified: Azure AI Fundamentals (AI-900) – Issued Jun 2025 • Microsoft Certified: Azure Fundamentals (AZ-900) – Issued Mar 2024
Linux Foundation (LF)	• Certified Kubernetes Security Specialist (CKS) - Issued Nov 2025 • Kubernetes and Cloud Native Security Associate (KCSA) – Issued May 2025 • Kubernetes and Cloud Native Associate (KCNA) – Issued Mar 2025 • Certified Kubernetes Application Developer (CKAD) – Issued Mar 2025 • Certified Kubernetes Administrator (CKA) – Issued Nov 2024
Google Cloud Platform (GCP)	• Professional Cloud Database Engineer (PCDBE) – Issued Feb 2024 • Professional Cloud DevOps Engineer (PCDOE) – Issued Dec 2023 • Professional Cloud Architect (PCA) – Issued Oct 2023 • Associate Cloud Engineer (ACE) – Issued Sept 2023

Education

Universitas Gadjah Mada (UGM) ugm.ac.id Master of Engineering in Information Technology (M.Eng) (GPA: 3.72 / 4.00) <i>Thesis: Proactive Cloud Sizing Automation for Platform-as-a-Service Based on Historical Workload Analysis</i>	Yogyakarta, Indonesia 2024 - 2026
Universitas Diponegoro (UNDIP) undip.ac.id Professional Engineer Program, Informatics Engineering (Ir.) (GPA: 3.95 / 4.00) <i>Professional Project: Cloud-Native Infrastructure Migration and Modernization Strategies Based on Azure Well-Architected Framework</i>	Semarang, Indonesia 2025 - 2026
Politeknik Elektronika Negeri Surabaya (PENS) pens.ac.id Bachelor of Applied Science in Computer Engineering (S.ST) (GPA: 3.40 / 4.00) <i>Final Project: Smart Environment Monitoring and Analytics in Real-Time System Framework Based on Internet of Underwater Things and Big Data</i>	Surabaya, Indonesia 2012 - 2016

Yogyakarta, June 2, 2026

Best regards,

Herwindra Berlian
DevOps & Cloud Engineer