

DARREN MAVERICK

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Summary

Platform Engineer designing cloud infrastructure, automation, and observability platforms with a strong emphasis on reliability, security, and operational simplicity. Experienced designing and operating systems with Kubernetes, AWS, and Infrastructure as Code to build systems that are repeatable, observable, and easier to operate.

Education

Bina Nusantara University

Bachelor of Computer Science

Expected Graduation: May 2026

Tangerang, Indonesia

Work Experience

Mybit Innovation Lab

DevOps Engineer

Mar 2026 – Present

Tangerang, Indonesia

- Served as technical owner for an automated infrastructure monitoring platform for **Wero** (a European business unit), designing the monitoring architecture, rules engine, customer-side agents, alert routing, and reviewing implementation and providing technical direction
- Define the platform architecture, **LiveKit-based** infrastructure, and deployment strategy for a smart glasses remote support platform, providing technical direction across the engineering team.
- Led the migration of application file storage to **Amazon S3** to resolve scalability and storage management limitations, designing a structured object hierarchy and **IAM role-based** presigned URL access to strengthen access controls.
- Independently investigated AWS API usage patterns and identified unnecessary payload transfers, redesigning the integration to reduce recurring infrastructure costs from approximately **\$200/month to \$3/month**.
- Built a centralized observability platform using **Grafana, Prometheus, Loki, Alloy**, and **Healthchecks.io**, standardizing monitoring and automating onboarding for production services.
- Standardized software delivery through Git workflows for **PR validation**, conventional commits, semantic versioning, and Infrastructure as Code using **Terraform** and **Ansible**.

Charoen Pokphand Indonesia

System Administrator Intern

Mar 2025 – Feb 2026

Ancol, Indonesia

- Modernized software delivery for **50+ internal applications** by migrating them from Docker Compose to production **Kubernetes** with **GitOps** workflows.
- Centralized internal API access by deploying **APIMAN API Gateway** behind **Keycloak IAM** and **LDAP** with **Traefik ingress**.
- Replaced VMware with XCP-ng across **10+ VMs**, engineering HA and validating failover through recovery testing, and built a React-based backup platform on **XenAPI** to remove a paid XCP-ng Pro license, saving **\$1,000+** annually.

Bina Nusantara University

Junior Laboratory Assistant

Aug 2023 – Feb 2025

Tangerang, Indonesia

- Taught Linux administration and networking to **1,200+ students** and maintained lab VM environments (Docker, Ansible, Proxmox, Cisco), mentoring students through troubleshooting their own environment issues.

Selected Engineering Projects

Reproducible Kubernetes Infrastructure on Libvirt | *Blog Article*

- Enabled repeatable Kubernetes lab environments by codifying libvirt-based node provisioning in **Terraform** and **Ansible**, automating networking, storage, and cluster bootstrap.
- Achieved highly-available control plane failover by integrating **Kube-VIP** with load-balanced routing, documenting the setup for consistent, repeatable rebuilds.

Certifications

Certified Kubernetes Administrator (CKA)

HashiCorp Certified: Terraform Associate

AWS Certified Solutions Architect – Associate

Jun 2025 – Jun 2027

Apr 2025 – Apr 2027

Mar 2025 – Mar 2028

Technical Skills

Platform Engineering: Kubernetes, Docker, Terraform, Ansible, GitOps (ArgoCD)

Cloud: AWS (EC2, S3, IAM, VPC)

CI/CD: GitHub Actions, Gitea Actions

Observability: Grafana, Prometheus, Loki, Alloy, Healthchecks.io

Security & Identity: Keycloak, AWS IAM, Nginx, Traefik, Infisical, Vault, SSM Parameter Store

Programming & Systems: Python, Bash, Go, TypeScript, Linux, Git