

SIDI NURHALIM

(+62) 82141942965 | sidiaurelius@gmail.com | www.linkedin.com/in/sidi-praptama-aurelius-n | sidinurhalim.vercel.app

DevOps engineer, AWS certified (SAA- C03), with hands- on experience across AWS, GCP, Kubernetes, Terraform, CI/CD, and observability, backed by a full-stack, iOS, and product analysis background spanning the full SDLC.

Work Experiences

Nanovest (via Apple Developer Institute) - **Remote** Sep 2026 - Nov 2026

DevOps Engineer Intern

- Build Skeeper, an internal SQL portal on GCP for controlled, auditable database changes, currently serving 35 registered engineers and being promoted to production for 50+ engineers.
- Deploy and maintain Skeeper on GKE across 4 environments (dev, QA, staging, prod), provisioning infrastructure with Terraform and delivering through Bitbucket, Jenkins, Helm, and Argo CD.

Apple Developer Institute for DevOps - **South Tangerang, Indonesia** Apr 2026 - Nov 2026

DevOps Engineer Trainee

- Build and maintain CI/ CD pipelines for both application delivery (Jenkins: build, test, container image, deploy) and infrastructure delivery (Atlantis: Terraform plan, policy check, apply) across the team's services.
- Provision and manage AWS infrastructure across 3 environments (dev, staging, prod) using Terraform and Ansible, applying infrastructure-as-code and configuration-as-code practices.
- Deploy and manage Kubernetes workloads on AWS EKS and self- managed clusters, packaging with Helm and Kustomize and delivering through Argo CD, covering cluster components, networking, and workload lifecycle.
- Set up and maintain a self-hosted observability stack (LGTM) covering 4 services with metrics, logs, and traces, including monitoring, alerting, and incident response.
- Diagnosed a monitoring cost spike by tracing it from billing through cardinality management to a misconfigured scrape config, then led the migration to a self-hosted stack that eliminated the recurring cost.
- Containerize services with Docker, managing multi-stage builds and registries for consistent deployment across environments.

PT HM Sampoerna Tbk. - **Surabaya, Indonesia** Jun 2025 - Mar 2026

IT B2B Product Analyst

- Reviewed BRDs and authored PRDs covering functional and non- functional requirements, translating business needs into engineering specifications.
- Defined integration specifications connecting a Sales Force Automation platform with SAP, WMS, DMS, TMS, distributor systems, and a growing set of third-party partners, spanning REST APIs, event-driven transfers, and scheduled file-based exchanges.
- Ran SIT, UAT, and E2E testing across service boundaries, performing data validation and tracing failures to the responsible system, then supported go-live and production validation.
- Handled production support after release, triaging reported issues, investigating root causes across integrated systems, and coordinating fixes with engineering and third-party partners.

PT Avia Avian Tbk. (Avian Brands) - **Surabaya, Indonesia** Jan 2025 - Jun 2025

Software Engineer Intern

- Built and enhanced 8+ internal system features independently using React and Laravel within 6 months.
- Owned full development cycles from requirements analysis through implementation and demo.

Apple Developer Academy @ UC & Catalyst - **Surabaya, Indonesia** Jan 2024 - Aug 2025

Software Engineer Intern

- Developed and released 2 production iOS applications on the App Store during the 10-month academy program, collaborating with design and engineering teams.
- Set up and maintained CI/ CD with Xcode Cloud, automating build, testing, and TestFlight to App Store distribution for both applications.
- Selected as 1 of 6 teams from 30+ graduating teams across Indonesia for Catalyst incubation funding, continuing product development through Aug 2025.

Education Level

Petra Christian University - **Surabaya, Indonesia** Jul 2021 - Jun 2025

Bachelor of Business Information Systems, 3.82/4.00

- Final Project: Patent Similarity Checking System
  - Deployed and operated the system on a Linux VPS with Docker, running Elasticsearch and RabbitMQ for asynchronous, scalable document processing.
  - Built a vector search pipeline over 4M patent vectors using Sentence-BERT and Milvus, validated by 27 users.
  - Developed the full-stack platform with Laravel and FastAPI, covering API design, service integration, and data flow between components.
- Achievements:
  - 1st Place, Hackfest 2025: Build to Billion
  - 3rd Runner-Up, East Java KIM Hackathon 2023
  - Finalist, UI/UX Business and System Innovation Challenge 2023

Projects

Skeeper - SQL Portal and Query Approval Sep 2026

Developer

- Built a Go and React portal on GKE connecting to multiple PostgreSQL instances, with credentials in Secret Manager.
- Implemented a submit-and-approve workflow with role-based access control, where writes require reviewer sign-off and every execution is audited.

Ops Bot - MCP-based AI Ops Assistant Jul 2026

Developer

- Built a Python MCP client connecting Claude to 45+ tools across AWS, Bitbucket, Grafana, SonarQube, and Jenkins via Telegram.
- Made MCP access and context configurable per chat room through a FastAPI admin panel, cutting token cost and allowing each room to run its own tool scope, with read-only boundaries on state-changing operations.

Technical Skills

- **Certifications**: AWS SAA-C03, AWS AIF-C01, Architecting on AWS (Dicoding)
- **Container & Orchestration**: Docker, Kubernetes (EKS, GKE, self-managed), Helm, Kustomize, Argo CD
- **IaC & CaC**: Terraform, Atlantis, Ansible
- **Cloud**: AWS (EC2, EKS, IAM, VPC, ALB, Lambda, Route 53, S3, etc.), GCP (GKE, Cloud SQL, Secret Manager)
- **CI/CD**: Jenkins, Bitbucket Pipelines, GitLab, GitHub Actions
- **Observability**: Grafana, Loki, Prometheus, Mimir, VictoriaMetrics, Tempo, Alloy, OpenTelemetry
- **Quality & Security**: SonarQube, Checkov, TFLint, Gitleaks, Infracost, Molecule
- **Others**: Linux, Bash, Python, Go, Git