Hamzah Chairil Salim

South Tangerang, Indonesia | hamzah.chairil98@gmail.com | +62-858-9463-2566 | LinkedIn | LeetCode | GitHub

Summary

DevOps engineer running production AWS EKS workloads for an enterprise HRIS: push-based GitOps deploys and observability. Cut service onboarding from **11 manual steps to 5** and removed every manual SSH step from deploys.

Work Experience

LG Sinar Mas | DevOps Engineer (Capstone via SQE x Apple Developer Institute), Onsite ***Sep 2026 – Nov 2026***

- Led observability for an HRIS platform on QA and production EKS, where production had none (Prometheus, Loki, Grafana), wiring alerts to email and Teams and moving logs and metrics off CloudWatch to cut **$50/month** in QA.
- Cut service onboarding to EKS from **11 manual steps to 5** by moving deploys to GitOps with Helm, Gateway API and Secrets Manager, so engineers onboard a service through a pull request, with no manual SSH.
- Fixed a logging bug that made one service **71%** of all QA logs, cutting its log lines by **64%**.
- Ran a 7-lesson hands-on Docker workshop for the engineering team, built around Dockerfile problems fixed in their services, such as secrets inside builds and one image per environment.

SQE x Apple Developer Institute | DevOps Engineer (Apprenticeship), Onsite ***March 2026 – Sep 2026***

- Designed the EKS delivery platform for a team of 3: Argo CD with an ApplicationSet across dev, staging and production, Argo Rollouts canary, a Helm chart that fails on missing env values, and GitLab Runner on arm64 with EKS Pod Identity.
- Co-led a team of 3 moving AWS infrastructure into **15** reusable Terraform modules with native tests, applied only through Atlantis pull requests, and owned the staging environment (**115** commits).
- Built CIS-hardened golden AMIs with Packer and Ansible, tested with Molecule, so one image promotes from dev to production unchanged and app releases skip a full server rebuild.
- Designed the build-once, promote-everywhere CI/CD pattern and wrote most of one service's pipeline, with Alembic migrations, SonarQube quality gates and **zero** secrets in CI variables.
- Audited CI/CD across **6** repos and found deploy jobs holding cloud credentials running on public CI runners because they were untagged, then pinned them to private runners and made untagged jobs fail.
- Added Infracost cost diffs to every merge request across **21** Terraform stacks, and with the team's off-hours scheduling, real AWS spend ran **24%** below projection (**$440/month** actual).

PUSAKA Unair | Software Engineer, Backend (Project Lead), Hybrid ***Sep 2025 – March 2026***

- Built the core engine of an internal AI chatbot on my own (FastAPI, Qdrant RAG, LangGraph, Gemini API), raising UAT accuracy from **0 to 70%** and growing adoption from **1 to 3** internal teams.
- Led a cross-program intern team on data curation and evaluated self-hosted Plane, Dify and OpenMetadata.

Pusat AI ITB | Software Engineer (Contract), Backend, Remote ***Sep 2024 – Jan 2025***

- Built FastAPI APIs for AI model retraining and inference, with Celery and Redis for background jobs.
- Owned CI/CD on GitHub Actions with deploys to Google Cloud Run, and sped up data preprocessing by **36%**.

Prosa.ai | Software Engineer, Backend (Intern to Contract, Feb 2022), Remote ***Aug 2021 – Mar 2023***

- Fixed UI lag on long conversations by paginating chat history instead of sending all of it to the client, agreeing the new API contract with the frontend team.
- Built a strict-scenario validation feature in Flask, moved the WhatsApp Business API integration to a new vendor without downtime, and built a FastAPI bridge to client APIs.

Projects

- Completed Kubernetes The Hard Way, and ran my own kind manifests, load-tested with **500K+** requests, unchanged on a multi-node kubeadm cluster on self-hosted VMs.

Education

Bandung Institute of Technology (ITB), B.Eng. in Informatics, Bandung, Indonesia *August 2024*

Certifications

- Kubernetes certification track (KCNA, CKAD, CKA, KCSA, CKS), in progress through March 2027

Skills

- **Cloud and Linux:** AWS (EKS, EC2, VPC, IAM, S3, RDS, ECR, ALB, Route 53, ACM, Secrets Manager, Pod Identity, CloudWatch, Graviton), Google Cloud Run, Linux (Ubuntu, Debian, systemd, UFW)
- **Containers and Kubernetes:** Kubernetes (EKS, kubeadm, kind), Helm, Argo CD, ApplicationSet, Argo Rollouts, GitOps, Gateway API, ALB Ingress, CoreDNS, Docker, Docker Compose, multi-stage builds
- **IaC, CI/CD and policy:** Terraform (modules, terraform test), Atlantis, OPA, conftest, Infracost, Packer, Ansible, Molecule, CIS hardening, Jenkins, GitLab CI, GitLab Runner, GitHub Actions, SonarQube, Alembic
- **Observability:** Prometheus, Grafana, Loki, Mimir, Tempo, Alloy, alerting to email and Microsoft Teams, cardinality control
- **Languages and data:** Python, Bash, SQL, FastAPI, PostgreSQL, Redis, RabbitMQ