

Seno Pamungkas Rahman

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EXPERIENCE

CLOUD OPERATIONS – Contract

September 2025 - Present

XLSmart (Jakarta Selatan)

- Engineered a high-concurrency **Go** tool to automate weekly End-of-Support (EOS) and capacity reporting across ~100 AWS accounts and ~100 GCP projects, slashing manual report generation time from 45 minutes to under 3 minutes.
- Built a **Go** utility to **audit Kubernetes clusters** at scale, querying **EKS clusters** to gather **PodDisruptionBudget (PDB)** and **HPA** data for cross-team resilience analysis.
- Designed and implemented key **Grafana** dashboards to centralize observability, visualizing **CPU/Memory** from multiple **Prometheus** datasources and tracking **AWS service capacity** (EC2, RDS, EKS).
- Investigated and resolved a production **memory leak** in a microservice by performing deep-dive analysis and tracing using **Datadog** and **Kubernetes CLI** tools.
- Developed 'Kluster-Compare', a **full-stack internal tool** (**Go** backend, **Next.js** frontend) to visualize and **diff** **Kubernetes manifests** between live clusters (**Rancher**) and GitOps states (**ArgoCD**), streamlining **Blue/Green deployment validation**.
- Optimized container deployments by implementing **multi-stage Docker builds** (using scratch/distroless images) for internal tooling, reducing image size and **hardening security posture** for Kubernetes deployments.
- Engineered an automated **AMI compliance scanner** in **Go** to track **Amazon Linux 2 to 2023 migration** progress across **Karpenter** nodepools and **EKS Managed Node Groups** in 50+ AWS accounts.
- Created a **Grafana health-check automator** that validates **Prometheus datasource connectivity** via the **Grafana API**, ensuring high availability of observability dashboards for critical Telco applications.
- Conducted deep-dive performance assessments on **AWS RDS**, identifying bottlenecks and recommending **composite indexing strategies** that optimized query execution for high-volume transaction tables.
- Integrated internal audit tools with **Microsoft Graph API** to automatically generate and upload formatted **Excel reports** to SharePoint, eliminating manual data entry for weekly capacity reviews.
- Streamlined operational reporting workflows by **automating data collection** from disparate cloud sources (AWS, GCP, K8s), significantly **reducing administrative overhead** for the Cloud Operations team.
- Refactored legacy automation scripts into modular **Go packages**, improving **code maintainability**, error handling, and enabling easier collaboration within the engineering team.
- Orchestrated the periodic patching and upgrade cycles for **EKS node groups**, ensuring compliance with **security standards** by migrating workloads from **Amazon Linux 2 to AL3**.
- Enhanced **cloud security posture** by developing custom audit tools to detect exposed **Security Groups**, unencrypted **EBS volumes**, and **WAF** misconfigurations across a multi-account environment.
- Strengthened access control mechanisms by implementing **AssumeRole** patterns in automation tools, removing the need for static long-lived credentials in scripts.
- Led **cost-optimization initiatives** by building automated scanners to identify **underutilized EC2 instances** and detached **EBS volumes**, facilitating data-driven resource rightsizing decisions.
- Managed and maintained Kubernetes infrastructure health, ensuring configuration consistency between **Blue/Green environments** via **ArgoCD** and **Rancher**.
- Improved system observability by consolidating **Prometheus** metrics into unified **Grafana** dashboards, providing real-time visibility into **cluster health** and resource capacity planning.

EDUCATION

Universitas Indonesia

September 2021 – September 2025

- **GPA:** 3.78/4.0
- **Coursework:** Computer Architecture, Operating System, Real Time System and IoT, Computer Networks, Software Engineering, Cloud Computing

SKILLS

- **Hard Skill:** Web Development, Android Development, Fullstack Engineer, Networking, Internet of Things, Machine Learning
- **Soft Skill:** Teamwork, Communication, Adaptability, Responsibility, Creativity, Discipline, Honesty
- **Programming Languages:** C, C#, C++, Go, Javascript, HTML, CSS, Python, Typescript, Java, PHP, Dart, Rust
- **Database:** PostgreSQL, MySQL, NoSQL
- **Frameworks & Misc:** React, NestJS, NextJS, Flutter, Spring Boot, ExpressJs, Docker, Tailwind CSS, Git, Linux
- **Certificate (2025):** Red Hat System Administration I & II (RH134 - RHA) - Ver. 9.3
- **Certificate (2024):** AWS Knowledge: Cloud Essentials
- **Certificate (2023):** CCNA: Enterprise Networking, Security, and Automation
- **Certificate (2023):** CCNA: Switching, Routing, and Wireless Essentials
- **Certificate (2023):** CCNA: Introduction to Networks

AWARDS

Top 10 Finalist Hackathon BI 2024

August 2024

Bank Indonesia

- Top 10 Finalist in **Bank Indonesia Hackathon 2024** out of 2,200 participants and 450+ proposals
- Spearheaded the development of BitTrack's Frontend and UI/UX, ensuring a seamless user experience and visually appealing design, while also driving the business strategy and direction of the product.