

Seno Pamungkas Rahman

🏡 Tangerang Selatan | 📩 senop.rahaman@gmail.com | ☎ +62-812-9357-8560 | 🔗 <https://senop.dev>
👤 Seno | 💬 cattyman919

PROJECTS

YAZI (OPEN SOURCE)

sxyazi/yazi ↗

- Developed a **real-time task progression system** for file copying operations, replacing static status messages with a visual progress bar, byte transfer metrics, and file counts.
- Engineered the solution by modifying the core **Rust** task logic ('yazi-core') to track I/O states and updating the **Lua**-based UI components ('yazi-plugin') for rendering.
- Navigated a large, complex open-source codebase to implement the feature, successfully merging the contribution to enhance user feedback for long-running operations.

EXPERIENCE

PLATFORM ENGINEER – 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).
- 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.
- 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.
- Led cost-optimization initiatives by building automated scanners to identify underutilized EC2 instances and detached EBS volumes, facilitating data-driven resource rightsizing decisions.

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.
- 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 3 migration** progress across **Karpenter nodepools** and **EKS Managed Node Groups** in **50+ AWS accounts**.
- 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.
- 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.
- Led cost-optimization initiatives by building automated scanners to identify **underutilized EC2 instances** and detached **EBS volumes**, facilitating data-driven resource rightsizing decisions.

TECHNICAL SUPPORT – Internship

December 2024 - June 2025

Superbank (Jakarta Selatan)

- Managed end-to-end deployment of vendor-provided scripts across AWS EC2 (Dev/Staging) via **S3 bucket integration**, WinSCP file transfers, and **XML configuration adjustments**.
- Automated deployment workflows by developing a **PowerShell script** to extract ZIP files and **configuration for deployment processes**, reducing manual effort by 40% and accelerating deployment cycles.
- Resolved production incidents (e.g., CPU spikes, SQL query bottlenecks) by acting as a technical liaison, **analyzing root causes**, and escalating issues via **Jira tickets** to cross-functional teams.

FIXED CONNECTIVITY, ICT & CLOUD – Internship

February 2024 - June 2024

PT XL Axiata Tbk (Jakarta Selatan)

- Conducted **comprehensive market research** and **data scraping** using Python, BeautifulSoup, and Pandas to identify **growth opportunities** and assess the competitive landscape for satellite products.
- Presented **data-driven findings** and **strategic recommendations** to mentors and senior management to support informed business strategy and product development.
- Collaborated closely with **cross-functional teams** to ensure timely completion of tasks and seamless **integration of research insights** into project outcomes.

FULLSTACK WEB DEVELOPER – Internship

September 2023 - November 2023

PT Bank Victoria International (Jakarta Selatan)

- Developed dynamic journal booking tables on the frontend with **Flutter**, integrating advanced **filtering** (by date and booking type), **pagination**, and **soft deletion** functionalities.
- Integrated the **Flutter frontend with backend APIs built in NestJS** and maintained data consistency with **MySQL**, ensuring accurate real-time accounting records.
- Executed **targeted database queries** to correct and optimize data integrity, working in close collaboration with teams to align front-end displays with updated backend data.

FRONTEND WEB DEVELOPER – Internship

September 2022 - October 2022

MileApp (Jakarta Barat)

- Rebuilt and redesigned critical web pages (**landing, login, and registration**) from scratch using React and **styled-components**, contributing to a major UI overhaul aimed at **improving user experience and performance** for field agents and administrators.
- Collaborated remotely with supervisors to integrate the new **React-based frontend** with the platform's evolving product direction, **replacing legacy code with scalable, maintainable components**.

FRONTEND WEB DEVELOPER – Part-time

February 2021 - October 2022

Furaha System (Tangerang Selatan)

- Engineered **complex exam pages** for a comprehensive E-Learning platform using **Next.js**, incorporating **navigation bars, dynamic question-sidebars, and real-time answer tracking**.
- Collaborated with **cross-functional teams** and **maintained regular progress updates**, ensuring alignment with project milestones and timely delivery of platform enhancements.

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