

Seno Pamungkas Rahman

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EDUCATIONS

Universitas Indonesia

September 2021 – September 2025

Bachelor of Computer Engineering

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

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.
- 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.

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.

SKILLS

- **Language:** Bahasa Indonesia (Native), English (IELTS 7.0),
- **Hard Skill:** Database Systems, Web Development, Fullstack Engineer, Networking, Internet of Things, Machine Learning,
- **Soft Skills:** 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,
- **Misc:** React, NestJS, NextJS, Flutter, Spring Boot, ExpressJs, Docker, Tailwind CSS, Git, Linux,

CERTIFICATES

- (2025) Red Hat System Administration I & II (RH134 - RHA) - Ver. 9.3
- (2023) CCNA: Enterprise Networking, Security, and Automation
- (2023) CCNA: Switching, Routing, and Wireless Essentials
- (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.

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.

DanceRTOS

[🔗 cattyman919/AbsenceSystem](#)

- Designed and implemented a dynamic class schedule and attendance table, providing lecturers with an organized and **real-time view of student presence**.
- Led the end-to-end development of the DanceRTOS attendance system, building both the **Flutter frontend** and **NestJS backend**.
- Engineered a real-time student login system using **MQTT** and **RFID** on an **ESP32**, enabling secure and instantaneous attendance tracking.