

# 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.

### 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**.

## EDUCATION

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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

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- **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

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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

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### AUTOCV

[cattyman919/resume](#) ↗

- Streamlined CV creation by developing a tool that generates **multiple customized PDF versions** from a modular data source split across three YAML files ('general', 'experiences', 'projects'), eliminating repetitive manual editing.
- Engineered a **concurrent build process** using **Go's goroutines and waitgroups**, significantly cutting down generation time for multiple CVs.
- Containerized the entire build environment with **Docker**, ensuring consistent and reproducible builds across different machines.

### DANCERTOS

[cattyman919/AbsenceSystem](#) ↗

- 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.
- Designed and implemented a dynamic class schedule and attendance table, providing lecturers with an organized and **real-time view of student presence**.

### HTTP SERVER

[cattyman919/http](#) ↗

- Engineered a **non-blocking, polling-based socket server** in C to handle multiple concurrent client connections efficiently.

- Implemented a **custom HTTP parser and response generator**, enabling the server to handle a variety of requests and serve dynamic content.
- Designed and implemented a **binary search tree for dynamic routing**, allowing for efficient and scalable URL-to-file mapping.

## HOME SERVER

- Deployed and manage a suite of services including **Jellyfin** for media streaming, **Portainer** for Docker container management, and an **Asterisk SIP server** for home VoIP.
- Configured core network services, including **Samba** for local file sharing, **nginx** as a reverse proxy for simplified service access, and implemented **fail2ban** and **firewalld** for enhanced security.
- Established a robust data management and remote access strategy using **rsync** for automated backups and **Tailscale** for secure, seamless access to the entire home network from any location.