

# Seno Pamungkas Rahman

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in Seno | 🐱 cattyman919

## RESEARCH INTERESTS

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- Intelligent Software Testing and Automated Verification
- Optimization of Distributed Algorithms and Protocols
- Mobile Commerce Systems and Application Development
- Software Reliability and Performance Engineering

## EDUCATION

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Universitas Indonesia

September 2021 – September 2025

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

## EXPERIENCE

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**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.

**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.


## **PROJECTS**

### **AUTO CV**

[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.

### **MOVIEDB SHOWCASE**

[cattyman919/movies](#) 

- Architected a backend API using **Go** and the **Gin framework** to serve as a proxy for the **TMDB API**, handling

requests for popular, top-rated, and upcoming movies.

- Developed a responsive frontend with **React**, **TypeScript**, and **Tailwind CSS** to display movie data fetched from the backend, creating an interactive user experience.
- Containerized the entire application (**Go backend**, **React frontend**, **MongoDB**) using **Docker** and **Docker Compose**, and wrote integration tests with **Testcontainers** for the database layer.

## RESTOMATIC

*SistemBasisData2023/RestoMatic* [🔗](#)

- Engineered a responsive and intuitive user interface with **React** and **Tailwind CSS**, leading the frontend development to enhance user engagement.
- Implemented a secure payment system with **frontend validation**, ensuring sufficient balance before processing transactions.

## SKILLS

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- **IELTS Academic:** 7.0
- **Hard Skill:** Database Systems, Web 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** (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**  
Bank Indonesia

August 2024

- 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**.