

Seno Pamungkas Rahman

🏠 Tangerang Selatan | ✉ senop.rahman@gmail.com | 📞 +62-812-9357-8560 | 🌐 <https://senop.dev>
in Seno | 🐙 cattyman919

RESEARCH INTERESTS

- Cloud Computing and Cloud Infrastructure
- Query Processing and Performance Optimization in Distributed Systems
- Cloud Databases and Large-Scale Data Management
- Data Privacy and Security in Cloud-Based Systems

EXPERIENCE

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.

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


PROJECTS

VXLANG SECURITY ANALYSIS (THESIS)

[cattyman919/skripsi-project](#) 


- Developed multiple C++ test applications (Console, **Qt**, **Dear ImGui**) and cryptographic benchmarks using **CMake**, **Ninja**, and **Clang**, integrating the **VxLang SDK** to implement granular virtualization on critical execution paths.
- Conducted in-depth **static and dynamic analysis** using **Ghidra** and **x64dbg**, demonstrating a **>90% reduction** in identifiable symbols and successful obfuscation of control flows against standard debugging techniques.
- Applied virtualization to a functional **Remote Administration Tool (Lilith RAT)** to test operational integrity and analyzed detection evasion capabilities against 72 antivirus engines via **VirusTotal**.

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.

JSLEEP

[cattyman919/JSleep](#) 

- Developed a complete RESTful API using **Java** and **Spring Boot** to manage the entire hotel booking lifecycle, from user authentication to room reservations.
- Engineered a custom, lightweight database solution using a **JSON-based file system ('JsonDBEngine')**, enabling persistent data storage and retrieval without a traditional database server.
- Implemented core business logic for dynamic room filtering, availability checking based on booking dates, and a complete payment processing system including balance management and voucher application.

SKILLS

- **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** (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
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**.