

Seno Pamungkas Rahman

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

RESEARCH INTERESTS

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

EDUCATION

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

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**.

PROJECTS

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**.

ELECTRONIC VAULT LOCK

rroiii/Electronic-Vault-Lock [↗](#)

- Authored and optimized the **VHDL code** for the electronic vault lock, ensuring robust and reliable security.
- Conducted extensive simulations in **ModelSim** to validate the system's performance and identify potential vulnerabilities.
- Led the synthesis of the design in **Quartus**, optimizing for area and power to create an efficient and compact solution.

VAIO (VACUUM ALL IN ONE)

VAIO-CE/VAIO-Code [↗](#)

- Architected a modular and scalable codebase in **C++** on the **PlatformIO IDE**, enabling efficient team collaboration and future development.
- Engineered a real-time gyroscope-based control system with **ESP-NOW**, allowing for intuitive and responsive robot control via a wearable glove.
- Implemented a multi-threaded **FreeRTOS** environment to manage concurrent tasks, ensuring seamless switching between autonomous, gesture, and PS4 control modes.

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** (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**.