

# Seno Pamungkas Rahman

🏡 Tangerang Selatan | 📩 senop.rahaman@gmail.com | 📞 +62-812-9357-8560 | 💻 https://senop.dev  
LinkedIn | GitHub

## 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.

## 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**.

## 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