

Abdul Jabar Nur Firdaus

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Profile Summary

Control System Engineer specializing in BAS, BMS, and DCIM technologies with hands-on expertise in the Niagara4 Framework. Experienced in building seamless connections between hardware, software, and Industrial IoT (IIoT) systems through custom Python and Java middleware development. Skilled in integrating modern monitoring platforms like Zabbix and Grafana to deliver smart, data-driven infrastructure solutions.

Work Experience

Control System Engineer | PT Gama Alfa Solusindo (April 2025 - Present)

- Designing and optimizing BAS, BMS, and DCIM solutions using the Niagara4 Framework for industrial and mission-critical environments. Working closely with controllers and systems from major vendors such as Honeywell and Johnson Controls.
- Develop custom Python and Java middleware to seamlessly connect industrial hardware with enterprise monitoring platforms like Zabbix and Grafana, improving real-time monitoring, automation, and operational visibility.

Apple Authorized Service Technician | SITCOMASIA GROUP (November 2024 – March 2025)

- Performed advanced diagnostics and hardware repairs across the Apple ecosystem, including complex logic board troubleshooting and precision component replacement.
- Acted as a technical consultant for customers, communicating technical issues in a clear and approachable manner while maintaining high standards of service excellence.

Web Developer (Internship) | PT. Arai Rubber Seal Indonesia (February 2023 – June 2023)

- Engineered a web-based Packaging Operator Achievement System using Laravel, React, and Tailwind CSS.
 - Implemented centralized production tracking and automated reporting tools (PDF/Excel), helping improve workflow automation and data reliability.
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Education

Universitas Budi Luhur (2020 – 2024), Information Technology | Major: Programming Expert

Skills

- Automation: Niagara4 Framework, BAS/BMS, DCIM, HVAC, Honeywell, Johnson Controls.
- Integration: Zabbix, Grafana, SNMP, Modbus, BACnet, MQTT, Custom Middleware Apps.
- Software: Python, C++, Java, Java (Android) PHP (Laravel), React.js, Tailwind CSS, MySQL.
- Hardware & Technical: Embedded Systems (ESP8266/ESP32), DDC Controllers, JACE Supervisor, Device Diagnostics & Repair, Cable Routing & Management.