## Rifaudin Sakroni

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## **EDUCATION**

SMK N 1 Magelang | 2008 - 2011

Teknik Elektronika

Universitas Mercubuana | 2014 - 2015

Drop Out, Electrical and Electronics Engineering

Universitas Budi Luhur | 2016 - 2020

Bachelor's degree, Electrical and Electronics Engineering

## WORK EXPERIENCE

PT Pharos Indonesia | 2018 - present

Position: Electrical Engineering Supervisor

#### Responsibility:

- Designing and implementing work schedules for the electrical
- Inspecting and assessing the work done by the electrical staff.
- Create sustainable solutions that enable technician teams to operate independent of engineering.
- Reading and interpreting design schematics to ensure the proper installation of electrical systems.
- Ensuring the work is completed on schedule.
- Overseeing the purchasing part and maintenance of the electrical equipment.
- Consulting with other teams on-site when installing electrical parts and equipment.
- Writing reports, providing blueprint and documentation of the electric part that was installed.
- Planning scheduling Preventive Maintenance (PM).
- Maintaining a safe and clean work area.
- Providing motivation and assistance when necessary.
- Maintain key performance indicator (KPI).
- Attending meetings and giving presentations to managers.
- Schedule meetings for new projects and evaluate projects that have been executed.

#### Position: Electrical RnD staff

## Responsibility:

- Attending a meeting for a new project with all teams.
- Propose Designing electronic control devices based on the meeting results and give a presentation to all teams.
- Create bill of materials(BOM) and component selection, detailed design, digital schematic capture, analog design and power
- Implementation of designs that have been made and installed in the field.
- Testing and commissioning systems in the field to ensure the system works properly.
- Repairing and maintaining electrical equipment.

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→ Electronic PLC Omron CX-One PLC Mitsubishi GX-Works2 SIMATIC STEP 7 Festo Fluidsim Simulator Automation Studio LabVIEW

STM32Cube IDE **PlatformIO** 

Arduino Kicad

Eagle CAD Node-RED

**PSIM Electronic Simulator** 

Proteus

## → Mechanical

SolidWork Autodesk Inventor AutoCAD

Cura: 3D printer software CAM: Autodesk fusion360 Welding OFW & Electric

## → Software Developing

Python 2 & 3 Mysal Postgresql Visual Basic 6.0 MathLAB Git & Github

## → Networking & Server

**MQTT** Mikrotik **RouterOS** Ubuntu & Debian Server **Docker Container** 

#### → Project Management

Trello Jira Gantt chart: Spreadsheet Odoo ERP **ERPnext** 

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- Troubleshooting major system failures and equipment malfunctions
- Running scheduling Preventive Maintenance (PM).
- writing reports and documentation.

## PT Inti Utama Solusindo (Pharos Group) | 2017 - 2018 Position : Mechatronic Engineer staff

## Responsibility:

- Jobdesc as a mechatronic engineer is the same as before at PT.SGS with additional tasks and responsibilities.
- Modification of the machine according to the needs of the production plant.
- Ensuring the factory automation system is running properly.

# PT Softnet Global Solusindo (Pharos Group) | 2015 - 2017 Position : Hardware programmer staff

#### Responsibility:

- Designing program algorithms on the machine based on user requirements.
- Coordinate with the mechanical and electrical team regarding the process flow to be carried out on the machine
- Select the specifications for sensors and electronic components to be used by the electrical and mechanical teams.
- Programming machine hardware from the electric and mechanical team.
- Testing and commissioning systems in the field to ensure the system works properly and fix the errors found.
- Writing reports and documentation.

## Position: Mechatronic Engineer staff

#### Responsibility:

- Using computer-aided design and engineering software to create project plans and circuit diagrams
- Undertaking relevant research
- Agreeing project specifications, budgets and timescales with managers.
- Implementing designs and creating test procedures.
- Testing, evaluating, modifying and re-testing products.
- Analysing and interpreting data
- Retrofitting machine in production plant.
- Attending meetings and giving presentations about the automation system that will be implemented.
- Designing and overseeing the installation of electrical systems in the field.
- Training users for new automation systems that have been developed, including how to operate the machine.
- Writing reports and documentation.

### PT Sarana Kencana Mulya (Polytron Group) | 2012 - 2015

Position: Home Appliance & White Goods Technician

#### Responsibility:

- Repairing malfunction of all polytron products during the warranty period..
- visit customers homes to repair products in place (Air conditioner, TV, washing machine, refrigerator).
- Achieve the predefined key performance indicator (KPI) target.

## PT Hartono Istana Teknologi (Polytron Group) | 2011 - 2012

Position: Junior Technician

#### Responsibility:

- Training how to repair all polytron products (Audio Product, Video Product and white goods product).
- Training about Product knowledge and Product educating for customers.

## **LANGUAGES**

Bahasa Indonesia English



## **INTEREST**

Reading
Hardware Hacking
Open Source Software
Automation & IIoT
Open Source Technology
Smart Farming
Gardening

## REFERENCE

#### Mr. Roland Antonius

Former Manager PT Decathlon Sports Indonesia 08159288067

Click for E-mail Linkedin Mr. Roland

#### Mr. Christian Pranata

Direct Manager PT. Pharos Indonesia 08118774608

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