

FANDI ADINATA

Electrical Engineer, Embedded System Engineer,
Internet of Things Engineer

(+62)88-232-653-977
09.fandisurya@gmail.com
linkedin.com/in/fandiadinata
suryaassistant.github.io
Kudus, Jawa Tengah, 59347

CAREER OBJECTIVE

I am an experienced electrical engineer with expertise in electronic circuit design, IoT development, hardware design, and embedded system firmware programming. I have recently deep-dived and hands-on into blockchain technology use cases, such as storing real-world hardware data to the blockchain. Lastly, I work as a researcher of fast-charging technology at Lectro. Have a role in developing hardware and firmware of battery chargers that support fast charging technology for advanced batteries, analyzing battery performance, and compiling reports. I'm also looking to leverage experiences into a role as a hardware designer, embedded system engineer, Internet of Things Engineer, or even a blockchain developer.

WORK EXPERIENCE

RESEARCH AND DEVELOPMENT STAFF – Lectro – July 2022 – Present

- Research fast-charging technology development for lithium-ion battery packs.
- Developed DC-DC battery charger for electric motorcycle battery pack with an efficiency of 90%.
- Reduce electric motorcycles battery pack charging time from 4 hours to only 1 hour.
- Successfully developed parallel-supported DC-DC battery charger for rapid custom high current application.
- Formulated and implemented improvements on performance for the fast-charging-purpose battery pack to achieve high charging current up to 3C.

IOT AND HARDWARE ENGINEER – Enerma – Mar 2022 – Dec 2022

- Successfully developed IoT-based smart plug that enables energy monitoring and usage control from a smartphone.
- Complete two custom hardware and software project related to IoT and robotics.

ELECTRICAL STAFF – SIAB Indonesia - Sep 2021 – Dec 2021

- Successfully developed the electronic system of SIAB's first-generation IoT water filtration system, which supports data acquisition for real-time monitoring and machine learning training data.

IOT ENGINEER INTERN – SIAB Indonesia - Jan 2021 – Apr 2021

- Developed the first generation of SIAB IoT water quality monitoring system that allows users to monitor water quality from their smartphone via a website.

EDUCATION

SEBELAS MARET UNIVERSITY - Surakarta, Indonesia – 2018 – 2023

- Bachelor's in Electrical Engineering (GPA: 3.58/4.00)

SKILLS

Programming Skills

C, Python, Javascript.

Languages

Fluent in Indonesian Bahasa. Also understand basic English.