

Rivaldi Eka Putra

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SUMMARY

Cum Laude graduate in Computer Engineering from Universitas Dinamika with strong expertise in software development and hardware integration (IoT). Skilled in modern web/mobile technologies, artificial intelligence (AI), and embedded systems. Experienced as an R&D Engineer at PT Sinko Prima Alloy, specializing in reverse engineering medical devices and developing IoT Gateway firmware. Currently seeking opportunities as a Software Engineer or IoT Developer to apply technical expertise in building innovative and efficient automation solutions.

EDUCATION

Universitas Dinamika | Bachelor's Degree in Computer Engineering |

Sep 2020 – Agu 2024

GPA: 3.58/4.00

- Assisted lecturers in conducting a 5-day Festo PLC training program for 40 vocational high school students from SMK Indo Baruna Surabaya at the university PLC laboratory.
- Designed and implemented an IoT-based automation system for broiler chicken feeding using ESP32 microcontrollers and HX711 weight sensors.
- Developed a Convolutional Neural Network (CNN) model for classifying 100 butterfly species using image-based datasets from Kaggle.

Internet of Things (IoT) Engineer Camp | Indobot Academy

Feb 2023 – Jun 2023

- Completed soft skill training including project management, teamwork, career preparation, self-reflection, and final project mentoring.
- Participated in intensive IoT learning sessions held 5 days per week with IoT experts while completing hands-on development assignments for each class.
- Designed, modified, and evaluated Smart Device IoT systems and completed a final project titled “Smart DGS (Door Gate Security)”.

EXPERIENCE

R&D Engineer | PT Sinko Prima Alloy - Surabaya, Jawa Timur

Jan 2024 – Now

PT Sinko Prima Alloy is a medical device manufacturing company under the Elitech brand, certified with ISO 9001:2015, ISO 13485:2016, and CPAKB standards.

- Conducted reverse engineering on 10+ medical devices with Bluetooth, Wi-Fi, LAN, and USB connectivity, including patient monitors, blood pressure monitors, pulse oximeters, and others to extract and integrate data into an IoT Gateway system.
- Developed and maintained IoT Gateway firmware capable of receiving and processing real-time data from various medical devices using multiple communication protocols.
- Collaborated across teams and provided technical support including application support, product troubleshooting, and microcontroller firmware solutions to ensure optimal system integration.

LEADERSHIP & ORGANIZATIONAL EXPERIENCE

Computer Engineering Student Association — Universitas Dinamika

Jan 2022 – Jan 2023

President

- Planned and executed 8 annual work programs throughout the leadership period.
- Organized the “Newcomer” (New Computer Generation) orientation program for 30 new Computer Engineering students.
- Conducted “STS” (Sharing Tuntas Studi) by inviting alumni to share career experiences with 90 Computer Engineering students.

Student Representative Council — Universitas Dinamika*Jan 2021 - Jan 2022***Advocacy Commission**

- Represented student aspirations by reviewing 15 student concerns and advocating student-oriented solutions.
- Evaluated and reviewed 3 university policies affecting student welfare and comfort.
- Led the “Safari Hima” program involving aspiration discussions with 7 student associations.
- Organized “Quarterly Meeting 1” as a performance monitoring mechanism for 18 student activity units.

Paskibra Dinamika Universitas Dinamika*Jan 2020 – Jan 2021***Vice Chairman**

- Assisted the chairman in coordinating 7 organizational work programs.
- Organized a National Anti-Corruption Webinar featuring speakers from Indonesia’s Corruption Eradication Commission (KPK), attended by over 200 participants.
- Organized a National Defense Webinar featuring speakers from the East Java Paskibra Alumni Association, attended by over 200 participants.

SERTIFIKASI**HCIA IOT V3.0 COURSE**

Huawei ICT Academy | Issued: February 26, 2026

IoT-Based Embedded System Design Certification

BNSP — National Electronics Professional Certification Institute

Issued: December 22, 2025 | Valid for 3 Years

IOT ENGINEER CAMP

Achieved 100% Score in IoT Skills and Implementation | Issued: July 2023

SKILL

Hard Skill : Internet of Things | Artificial Intelligence | Python | C/C++ | Flutter | Nodejs |

Soft Skill : Leadership | Teamwork | Communication | Attention to Detail | Innovation | Troubleshooting |