IoT Engineer
Edwin Ronaltama Mabrur

Contact

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About Me

I'm an Informatics Engineering student at Universitas Sebelas Maret with 2 years of experience as a Lutron System programmer. Passionate about IoT and embedded systems, I focus on creating smart, efficient solutions while continuously improving my technical skills through both academic and hands-on projects.

Skills

- **Programming:** C++, Python, Java, JavaScript, HTML, CSS, PHP
- **IoT Platforms:** ESP32, Arduino, MQTT , Firebase
- **Tools:** Git, Visual Studio Code, Arduino IDE
- **Soft Skills:** Problem-solving, collaboration, adaptability, troubleshooting.

Education

MIPA

SMAN 1 Wonosari – Klaten, Indonesia
Juli 2019 - May 2022

Diploma 3 in Informatics Engineering

Universitas Sebelas Maret – Surakarta, Indonesia
Juli 2024 - Juli 2027
GPA : .3.80 / 4.00 (ongoing)

Experience

Full Time - Programmer   *2022 - 2024*

PT Eskanusa Putraco – Jakarta, Indonesia

- Developed and maintained custom Lutron programs
- Configured systems for smart building integration
- Coordinated with IT teams for smooth operations

Programmer Staff   *2024 - Present*

UNS Robotics Division, Surakarta, Indonesia

- Programmed robot movement and controls using C++ and microcontrollers
- Built joystick-based motor and sensor control systems
- Led task distribution and ensured project milestones were achieved

Project

Smart Relay Control System with Google Assistant

Developed an ESP-based relay control system integrated with MQTT, Node-RED, and Google Assistant, allowing voice-activated switching and real-time control via dashboard.

Certification & Training

- Node- Red Fundamental & Advance – FlowSuse (2025)
- Front-End Web Development – SISTEM (2024)
- RA2 Select Qualification – Lutron Electronics (2023)

Language

- Indonesian - Native
- English - Intermediate