CURRICULUM VITAE

Personal Information

Name   : Joseph Dion Putra
Email   : joseputradion@gmail.com
Nationality   : Indonesian

Background

I am a recent graduate in Computer Science with a solid foundation in Mechatronics Engineering and hands-on internship experience developing web applications, embedded systems and machine repairing. Known for strong problem-solving skills, and a genuine passion for creating innovative solutions that address real-world needs. I am committed to lifelong learning and eager to contribute to collaborative in the technology sector.

Formal Education

Bachelor of Computer Science

BINUS Online University

2021 – 2025

> Comprehensive understanding of software development, UI/UX principles, and system design

Associate Degree in Mechatronic Engineering

POLITEKNIK ATMI Surakarta

2017 – 2020

> Practical training in automation, control systems, and mechanical-electrical integration

Skills

Web Development

HTML, CSS, JS, Node JS, Web design (Figma).

- Experienced in creating responsive user interfaces using HTML5 and CSS3, with attention to usability, readability, and design aesthetics.
- Skilled in JavaScript for developing interactive features and integrating basic APIs to support frontend functionality.
- Familiar with backend concepts, mainly focusing on designing Entity Relationship Diagrams (ERDs) aligned with business requirements and data flow.

Mechatronics

C, PLC, microcontroller (Arduino), Design (SolidWorks/CAD), Electrical schematic and Wiring.

Programming: C Language, Microcontroller (Arduino), PLC

- Hands-on experience configuring and programming Arduino boards for sensor integration, motor control, and real-time automation projects.
- Basic understanding of PLC programming using ladder logic for industrial control applications, including safety sequences and timed operations.

Technical Design: SolidWorks, AutoCAD

- Capable of developing mechanical models and assembly simulations using SolidWorks.
- Adept with general AutoCAD software for producing technical drawings, tolerance specifications.

Electrical Work: Schematic Drafting & Wiring Implementation

- Experienced in creating electrical schematics for low-voltage control systems, including accurate symbols, wiring paths, and component labels.
- Familiar with assembling and connecting physical circuits based on schematic diagrams, ensuring operational safety and functionality through proper layout and insulation techniques.

Languages:

Indonesian   (Native)

English   Upper Intermediate, TOEIC score 580

Championship

- Member of provincial physics olimpiad (OSN) | 2014
- Member of regency chemical olimpiad (OSN) | 2013
- 2nd place in the provincial level physics olympiad (OSN) | 2010.
- Member of national physics olimpiad (OSN) | 2009 & 2010
- Member of provincial Kuark championship | 2008

Organizational Experience

Educator at Christian Sunday School | 2012-2016

As a teacher and child attendant.

Description:

- Prepared educational materials and activity content
- Supervised and supported children during sessions
- Led classes and taught biblical lessons

Member of Christian Community in Senior High School | 2012-2015

Description:

- Rehearsed for and performed in Christmas retreat programs
- Helped organize and run retreats and regular worship services, including Easter and Christmas events

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Employment

Intern at Sakajooss Group Company| 2022 – 2024

Description:

- Collaborated with a small team to develop web applications for flat/apartment management
- Conducted client meetings to understand requirements and define business models
- Designed mockups and user interfaces in Figma
- Developed web apps using Bootstrap & MySQL

Employee at Sahabat Setia Motorcycle Workshop | 2016 – 2017

Description:

- Managed cashier operations and processed customer payments
- Handled inventory, including organizing and monitoring goods
- Managed used parts for resale purposes
- Maintained accurate sales records and bookkeeping
- Assisted in preparing and maintaining the parking area

Projects

Recent Personal Project:

https://about-me-o-o.vercel.app/

Research and Final Project:

ANALYSIS AND DESIGN OF E-APPLICATION FOR WORKSHOP SPARE PARTS INVENTORY

Study design: Design and Development Research (DDR)

Supervisor: Dr.Teguh Raharjo, S.Kom,M.T.I.

Final project focused on inventory management applications for workshop environments

SISTEM PENGAMBILAN DAN PENYIMPANAN LAMPU LED OTOMATIS BERBASIS *INTERNET OF THINGS*

Study design: Design and Development Research (DDR)

Supervisor: Eko Purwanto Aribowo, S.T. and Betty Oktavia, A.md

The final project involved IoT-based smart storage systems for LED lighting components

Project at Education:

- Fix old Stamping machine wiring, by rewiring the panel box. With "Start 1 Cycle", "Start Cyclic", "Pause", "Stop", "Emergency", feature.
- Write PLC program for Lamp Assembly Line production machine with pneumatic actuator
- Write PLC program for arm robot and conveyor
- Draw technical component in SolidWorks and AutoCAD