

MUHAMAD SYAKIRUDIN BIN KAMARUDIN

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CAREER OBJECTIVES

Aspiring to contribute to innovative projects by leveraging my expertise in electrical, mechanical, and software engineering. With a strong focus on automation, data analysis, and system optimization, I am eager to embark on a new journey, applying my diverse skillset to drive technological advancements and deliver impactful solutions.

EDUCATION BACKGROUND

University of Kuala Lumpur Malaysian Institute of Aviation Technology
(Bachelor of Aircraft Engineering Technology in Avionics)

CGPA :3.01/4.00

WORK EXPERIENCES:

Position: Web Developer Trainee

Company: Urban Mobility Asia Sdn Bhd (Moovby) (August 2024- October 2024)

Job Descriptions and Responsibilities:

- **Translate UI/UX designs** into functional and interactive website and app experiences
- Collaborate with backend developers to integrate website with **server-side systems, APIs, and databases.**
- Optimize website for speed, responsiveness, and overall performance.

Position: Maintenance Technician

Company: Mission Food Malaysia Sdn Bhd (July 2024- August 2024)

Job Descriptions and Responsibilities:

- Performing **preventive and corrective maintenance** to ensure machine in good condition
- Follow 5S rules and **food safety and handling** procedures
- Responsible for electrical and mechanical troubleshooting, minimizing downtime error
- Setting and replacing of new or damaged sensor, pneumatic cylinders and VFD motor
- **Conducting routine inspections** of production machinery to identify potential issues and address them before causing major disruptions.
- Collaborating with production teams to optimize equipment performance and ensure smooth operations across shifts.

Position: Process Engineer 1

Company: Samsung SDI Energy Malaysia Sdn Bhd (June 2022- June 2024)

Job Descriptions and Responsibilities:

- **Identify, analysis and produce counter measure** of the defect, increasing machine efficiency and reduce downtime
- **Reduced defect rates** by analysing machine error log data, collecting and visualizing insights with Excel to identify trends for production line improvement.
- Edit and improve machine programs (**C programming, PLC ladder diagrams**) and visually represent data using Excel for line improvement.
- Responsible for **PC Windows troubleshooting** either hardware or software
- Reporting weekly and monthly Mean Time Between Intervals (MTBI) of the production line and machines to track performance, identify potential issues, and implement strategies for improving operational efficiency and reducing downtime.

Position: Electrical Engineer

Company: Baosteel Can Making Malaysia Sdn Bhd (December 2020- May 2022)

Job Descriptions and Responsibilities:

- Troubleshooting any problem related to electrical control and programming, **reduce production downtime**, update, and improve the line progress.
- Participated in machine installation and commissioning for new build factory
- Edit, update, testing and improve machine PLC program Allen Bradley.
- **In charge for every electrical instrument and machine**, heater, air and water pressure and LPG system
- Designed and implemented preventive maintenance strategies for electrical systems, reducing breakdowns and ensuring optimal machine performance across production lines.

Position: Assistant Engineer

Company: Pentamaster (April 2018- November 2020)

Job Descriptions and Responsibilities:

- Responsible for **instrument, component and wiring installation**, following electrical schematics and drawing
 - Performing machine testing before customer buy-off, ensure machine follows all functional requirements
 - Responsible for electrical and mechanical troubleshooting during machine start-up
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PROJECT

Weather and Prayer Time API ([Link](#))

- Fetch Data API: Utilize the OpenWeather API to retrieve weather data and a prayer time API to get local prayer times.
 - Stack: Implement using **Vanilla JavaScript** for logic and data handling.
 - Frontend: Design the user interface using **HTML and CSS** to display the weather and prayer times.
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CERTIFICATION AND TRAININGS:

Course Name: TalentLabs K-Youth Development Program – Certified Associate in Back-end Development (July 2024 ~ October 2024)

Module Covered:

Back-end: JavaScript, framework NodeJS ExpressJS, Python framework Django

Database: SQL

Others: Google Cloud, Docker

Course Name: MERN Stack Online Coding Bootcamp by KelasProgramming.com (January 2024 ~ June 2024)

Module Covered:

Front-end: HTML CSS JavaScript, framework Bootstrap, ReactJS

Back-end: JavaScript, framework NodeJS, Express JS

Database: PostgreSQL

Course Name: Big Data Engineering by Peoplelogy X Yayasan Peneraju (July 2022 ~ February 2023)

Module Covered:

Applied Data Engineering

Applied Data Analytics

Introduction to Python Programming

Getting Started with Hadoop, Spark and Kafka environments

Project: Twitter sentiment analysis using Hadoop, Spark and Python Script

TECH STACK:

Programming Languages:

- HTML & CSS
- JavaScript (NodeJs, ExpressJs, ReactJS, React Native)
- Python (Django)
- C++
- SQL (PostgreSQL and MySQL)
- ASP .Net Razor

Analytics Tools: Microsoft Excel, Power BI

Engineering: Microcontroller Arduino, PLC and HMI, AutoCAD