Butsaprat Wongkruesorn

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EXPERIENCE

Equipment Engineer at Lumentum International (Thailand), Pathum Thani   **Feb 2019 – Present**

Equipment Engineer (System Analyst and Developer)

I started off as an Equipment Engineer responsible for machine maintenance in hardware aspect, then shifted to software side and system improvement in December 2020. I develop and manage SharePoint sites including other custom solutions with Microsoft Power Platform (PowerApps, Power Automate, Power BI, etc.) with self-taught skills to enhance maintenance performance and respond to customer-based requirements.

- Gather and analyze the needs and requirements to streamline the maintenance team's performance in term of operations, expenditure, management, structure, and strategy.
- Deliver solutions by designing and developing Power-Platform-based tools to attain goals.
- Initiated web-based applications in PowerApps to manage maintenance spare parts and spare equipment. Avoided costs by $19,160/year from not using outsourcing software.
- Combine, monitor, and report the maintenance service level (KPI) of the crew of 30+ engineers on a weekly basis to analyze and enhance working plan and strategy to provide better maintenance operations using Power Query and Power BI.
- Provide the applications to utilize across sites in Asia and share practices to other departments.

Award: Acknowledged for Lumentum Guiding Principles Recognition in 'Excel' aspect in May 2021 regarding Maintenance System Improvement Project.

Maintenance Engineer at Belton Industrial Thailand, Pathum Thani   **Feb 2018 – Sep 2018**

Provided preventive and corrective maintenance to improve machine performance and reduce downtime. Ensured that machines' efficiency and quality meet customer's expectation.

- Controlled usages of winding jigs and spare parts and created manufacturing instructions.
- Managed crew of 10 technicians and provided work guidance to undertake preventive maintenance and respond to breakdowns of coil winding machines to maintain machine performances and ensure the workload meets the capacity.
- Monitored and analyzed downtime and yield of coil winding machines to reduce downtime and improve quality.

Intern at Plant Inspection Department, PTT Gas Separation Plant, Rayong   **Jun 2015 – Jul 2015**
Assigned project: *Hot Oil Pump Failure Rate Analysis Using MATLAB Simulink*

EDUCATION

Chulalongkorn University
Bachelor of Engineering, Mechanical Engineering   2012 – 2016
- Senior Project: *Study and Improvement on the Stability of Floating Pontoons with Damping Vibration*

SKILLS

- Computing: MS Office, Power BI, PowerApps, Power Automate, SharePoint, SQL
- Eagerness to develop both existing and new skills for a successful career
- Ability to work independently on multiple concurrent projects and manage priority and expectation
- A quick learner with can-do attitude

LANGUAGES

- Native Thai speaker
- Good command of English (TOEIC: 875)

CERTIFICATIONS

Data Analytics
- Data Visualization with Advanced Excel
  https://www.coursera.org/account/accomplishments/certificate/VUXGTY8SZ85G
- Google Data Analytics Professional Certificate
  https://www.coursera.org/account/accomplishments/specialization/certificate/M7UETF6LR9JK
- Python Data Structures
  https://www.coursera.org/account/accomplishments/certificate/TS88R4TGKJAD
- Using Python to Access Web Data
  https://www.coursera.org/account/accomplishments/certificate/AM5MPS4S86WU
- SQL (Basic) Certificate
  https://www.hackerrank.com/certificates/69d817bddef9

Business Analytics
- Customer Analytics
  https://www.coursera.org/account/accomplishments/certificate/JN6QY63PJSMK
- Enterprise Resource Planning Systems, ERPs
  https://www.coursera.org/account/accomplishments/certificate/BKDCSCTJN3WS

Web Development
- Front-End Web UI Frameworks and Tools: Bootstrap 4
  https://www.coursera.org/account/accomplishments/certificate/2JSE9B7WVNC3