MAFATIKHUL ILMI

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Proven experience in managing IT projects, leading cross-functional teams, and delivering results-driven solutions. Over 7 years of expertise in digital transformation, IT systems integration, and project scope management. Adept at risk analysis, issue resolution, and maintaining project alignment with organizational goals. Strong communicator with a deep understanding of IT workflows, system configurations, and development processes.

PROFESSIONAL EXPERIENCE

PT Kalbe Farma, Tbk   2023 – Now
Manufacturing Software Architect

Responsibilities :

1. Developed and implemented comprehensive IT policies and business processes, ensuring alignment with organizational objectives.
2. Supervised a team of IT professionals, and driving performance improvements.
3. Acted as the primary liaison for external partners, maintaining strong relationships and staying updated on technological advancements.
4. Collaborated with cross-functional teams to integrate IT policies into business processes.
5. Assisted in the development and implementation of IT policies and procedures.
6. Developing software architecture

Achievements :

1. Successfully revived several projects that had been stuck for 1.5 years by changing problem-solving approaches.
2. Developed procedures and standards for application development used as a reference across 5 pharma sites

PT Indopoly Swakarsa Industry, Tbk   2019 – 2023
System Integration And Reliability Engineer

Responsibilities :

1. Integrated IT and Operational Technology (OT) systems to ensure seamless operation and data flow across the organization.
2. Coordinated and engineered Industry 4.0 initiatives, focusing on digital transformation and advanced manufacturing technologies.
3. Led a team responsible for calibration and maintenance of equipment, ensuring high reliability and performance standards.
4. Managed and executed Internet of Things (IoT) development projects, enhancing connectivity and data analysis capabilities within the organization
5. Designed and developed systems aimed at improving machine reliability and operational efficiency.

Achievements :

1. Developed a motor lifetime prediction system, reducing potential non-production time (NPT) by 6 hours, resulting in cost savings of Rp. 240 million.
2. Implemented a grinder monitoring system that optimized ampere utilization, avoiding the replacement of grinder knives and saving Rp. 60 million.
3. Created a guide roll performance monitoring system, reducing scratch defects by 3.7 tons, equivalent to an annual savings of $1,847.
4. Digitized oven pallet temperature control to accelerate pallet drying, save energy, enhance safety, and prevent customer complaints, yielding a cost avoidance of $30,000.
5. Developed a smart factory dashboard for real-time monitoring of plant operations, tracking key parameters such as water, electricity, and gas consumption to improve energy efficiency.

PT Toyota Motor Manufacturing Indonesia   2015 – 2018
IT Engineer

Responsibilities :
1. Developed and implemented advanced manufacturing systems and technologies to enhance production efficiency and quality.
2. Led the IT helpdesk team, providing technical support and troubleshooting services to ensure optimal performance of IT systems.
3. Managed server infrastructure, ensuring high availability, security, and performance of server operations.
4. Planned, supported, and maintained end-user devices, ensuring reliable and efficient operation across the organization.

Achievements :
    Developed a visualization system to assist warehouse operators in managing direct material usage in the operation field. This system successfully reduced the manpower requirement by one full-time equivalent, improving operational efficiency.

EDUCATION

BINUS   2016 - 2018
Bachelor of System Information

Politeknik Elektronika Negeri Surabaya   2012 - 2015
Diploma of Telecommunication Engineering
- Awards : National Payload Rocket Competition (1st Runner Up)
- Publication : Automatic Control Music Amp Using Speech Signal (Best Paper IES 2015)

SKILLS

Skills:

System Development Life Cycle, IT Business Process Development, Team Collaboration and Leadership, Strong Analytical and Problem-Solving Skills, Excellent Communication and Interpersonal Skills.

Programming Experience :

Python, Restful API, Django, .NET, Laravel, PHP, Javascript, MySql, PostgreSql, Jupyter lab