Moetez Amara

Industrial Systems Engineer - Specialized in Production Systems
Specialty: Production systems

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in LinkedIn Profile
🌐 Personal website

PROFESSIONAL SUMMARY

- Versatile Industrial Systems Engineer with a strong track record in enterprise engineering, digital transformation, and supply chain optimization. Successfully led ERP implementations that reduced lead times by up to 20% and increased inventory accuracy by 15%. Proven leadership in enhancing productivity through data-driven decision-making and project management. Passionate about leveraging technology to deliver scalable and sustainable operational excellence.

EDUCATION

- **National Engineering School of Carthage** *2020 – Present*
  Bachelor's Degree in Industrial and Logistics Systems Engineering
- Relevant Courses: Supply Chain Optimization, Production Planning, Renewable Energy Systems

PROFESSIONAL EXPERIENCE

- **Kumulus Water** *September 2024 – Present*
  ERP and Supply Chain Specialist

  - Customized Odoo's accounting module to integrate predictive analytics for financial forecasting, resulting in a 25% improvement in cash flow predictability and enhanced decision-making for procurement and sales.
  - Developed data visualization dashboards to monitor inventory metrics, reducing procurement cycle time by 15%.
  - Optimized production planning through modular BOM design, leading to a 15% reduction in production lead times.
- *June 2024 – August 2024*

  ERP Integration Intern

  - Spearheaded data cleansing initiatives, resulting in an updated ERP database with 100% data accuracy, ensuring reliable records for procurement and production.
  - Implemented an advanced MRP system, optimizing procurement and production workflows with a six-month forecast, reducing procurement lead times by 20%.
  - Developed automation processes for purchasing and production within Odoo, reducing stockouts by 20%.

- **King Energy** *July 2023 – June 2024*
  Team Leader

  - Directed a team of 4 technicians to deploy over 100 kWc of solar power, providing renewable energy to 30+ residential and commercial sites. Improved installation timelines by 15% and ensured a 95% satisfaction rate.
  - Implemented Odoo CRM to streamline client relationship management and monitor project milestones, leading to a 25% increase in customer satisfaction.
  - Led the design of custom solar frames, improving installation efficiency by 12% and reducing material costs.

- **BBS Solutions** *June 2022 – July 2022*
  Mechanical Engineering Intern

  - Created a virtual library to archive and standardize SolidWorks files for various machine variants, supporting seamless integration into future product development and reducing design time by 20%.
  - Developed a VBA extension for SolidWorks, automating sheet metal cutting list generation and reducing errors by 40%.

KEY PROJECTS

Smart Solar Panel Cleaning Robot
  - Designed, built, and launched a smart solar panel cleaning robot, incorporating advanced robotics for autonomous maintenance. Utilized a custom-made React Native app and BLE connectivity to enable real-time weather-based automation, improving panel efficiency by 30%.

ECODARI - ERP Implementation
  - Executed ERP integration for ECODARI, enhancing operations for a SmartHome and lighting store, optimizing inventory management and retail processes, leading to a 25% reduction in inventory shortages.
  - Implemented an integrated POS system with Barcode scanning, achieving a 30% improvement in inventory accuracy and checkout efficiency.

SKILLS AND INTERESTS

- **Programming:** Python, SQL, JavaScript
- **DevOps & System Administration:** Docker, NginX, Linux (RHEL)
- **Database:** MySQL, MongoDB
- **Project Management:** Scrum, Agile Methodologies
- **CAD Design:** SolidWorks (Basic Level Certification)
- **Interests:** Automotive Enthusiast, Agriculture, eager to tackle challenges
- **Personality Traits:** Leader by nature, Problem-Solver, Highly adaptable, Curiosity-driven

LANGUAGES

- **French:** Full professional
- **English:** Full professional
- **Arabic:** Native
- **German:** Basic knowledge