SAMEER AHMED MAZUMDAR

Mechanical Engineer | SAP & Production Automation Specialist

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Mechanical Engineer with hands-on experience in production process optimization, SAP S/4HANA implementation, and manufacturing automation. Proven track record in software development, quality control, and managing end-to-end production workflows, delivering enhanced efficiency and productivity in diverse industries. Skilled in leading cross-functional teams, integrating CAD and design workflows, and implementing high-performance, scalable solutions. Proficient in programming and maintaining industrial systems, with strong capabilities in SAP, AutoCAD, Django, and Python. Seeking to leverage my technical and management skills in a challenging role to drive innovation, improve operational efficiency, and contribute to the success of a forward-thinking organization.

PROFESSIONAL EXPERIENCE

Programmer

Hörmann Middle East and Africa FZE, Dubai, UAE
Aug' 2022 – Present

- Lead the optimization of production processes and manage the implementation of SAP S/4HANA production modules such as PP (Production Planning), MM (Material Master), and SD (Sales and Distribution) to achieve enhanced manufacturing efficiency.
- Spearhead the automation of manufacturing processes through extensive work on SAP PDC (Plant Data Collection) and Variable Configuration systems, driving process improvement and productivity gains.
- Lead ERP software implementation in manufacturing projects, ensuring the successful implementation of scalable, high-performance solutions to meet business objectives and customer needs.
- Manage production order processing, material master creation, BOM modification, routing and posting activities in SAP.
- Partner with CAD and design teams to develop door and hardware configurations using AutoCAD, accomplishing seamless integration of design and production workflows.
- Program and maintain the OPS software for operating Salvagnini sheet metal processing machines, achieving precise production of galvanized steel sheets based on specified door configurations.
- Automate press brake bending operations using Python, streamlining workflows and improving production output and efficiency.
- Develop and maintain a tablet-based application to generate and manage Quality Control (QC) forms and records, enhancing accuracy and accessibility of production data.
- Maintain and continuously update the ORBIS-MPV application to improve data visualization for production operators, enhancing decision-making and process transparency.
- Lead the resolution of production-related claims, partnering with site teams and clients to accomplish timely resolution and maintain customer satisfaction.

Quality Control Inspector

Alucor, Dubai, UAE
May' 2021 – Mar' 2022

- Spearheaded quality control operations, ensuring strict compliance with ASME Section VIII standards for the fabrication of pressure vessels, tanks, and marine structures.
- Managed and supervised Non-Destructive Testing (NDT) procedures, including magnetic particle, ultrasonic, hydrostatic, and radiographic testing, to proactively identify and address weld defects, ensuring seamless project execution.
- Accomplished visual inspections of welds and implemented corrective actions, maintaining adherence to stringent welding quality standards and contributing to reduced defect rates across projects.

- Monitored ongoing production and construction activities to ensure full compliance with approved shop drawings, driving enhanced accuracy and minimizing costly rework.
- Collaborated with welding engineers to develop critical documents such as Procedure Qualification Records (PQR), Welding Procedure Specifications (WPS), and Welder Qualification documentation, supporting the overall project quality framework.
- Led the documentation of quality control and production-related activities, maintaining detailed and accurate records, while communicating effectively with supervisors and engineers to resolve production issues efficiently.

MEP Intern

Al Tamimi Engineering Services LLC, Dubai, UAE
Jul' 2020 – Jan' 2021

- Conducted quantity estimation and cost analysis for HVAC, firefighting, drainage, and water supply systems using As-Built and Shop drawings, while assisting in the preparation of Bill of Quantities (BOQ) pricing to support project planning and budgeting.
- Utilized AutoCAD extensively to develop and modify MEP layouts, ensuring accurate design modeling and compliance with project specifications across various engineering disciplines.
- Liaised with suppliers to obtain competitive quotations for critical MEP components such as Fan Coil Units (FCU) and Air Handling Units (AHU), ensuring timely procurement and cost efficiency.
- Compiled and delivered Operation and Maintenance (O&M) manuals for completed MEP projects, while preparing comprehensive progress reports and submitting them to clients ahead of agreed deadlines.

Engineering Trainee

Mohamed Abdulrahman Al-Bahar LLC, Sharjah, UAE
Jun' 2019 – Jul' 2019

- Performed maintenance and repair tasks on Caterpillar machinery components, including diesel engines and transmission systems, ensuring optimal functionality and operational efficiency.
- Gained practical knowledge of construction machinery and equipment, such as wheel loaders, excavators, and articulated trucks, by observing and assisting in their disassembly, inspection, and reassembly.
- Collaborated with senior engineers and technicians to troubleshoot mechanical issues and apply diagnostic techniques, improving understanding of Caterpillar machinery maintenance processes and industry standards.

EDUCATION	CORE COMPETENCIES	PERSONAL DETAILS

EDUCATION

Bachelor of Engineering | Mechanical Engineering
Birla Institute of Technology and Science, Pilani, Dubai Campus, UAE
Aug' 2017 – Aug' 2021

The Emirates National School
Sharjah, UAE
2003 - 2017

CERTIFICATIONS

Certification of Manufacturing Operations
(Planning, Management & Control)
Udemy.com

CORE COMPETENCIES

- ✓ SAP S/4HANA (PP, MM, SD modules)
- ✓ SAP PDC (Plant Data Collection)
- ✓ Manufacturing Automation
- ✓ Manufacturing Process Optimization
- ✓ AutoCAD
- ✓ Python (Scripting, Pandas for Data Analysis)
- ✓ Production Software Development
- ✓ Systematic Production Planning (KPI-driven)
- ✓ ORBIS-MPV application
- ✓ Data Visualization
- ✓ Product Pricing
- ✓ Leadership and Team Collaboration
- ✓ Quality Control
- ✓ Non-Destructive Testing (NDT)
- ✓ Welding Quality Standards
- ✓ Workflow Integration
- ✓ Mechanical Engineering Troubleshooting
- ✓ Operations and Maintenance (O&M) Documentation
- ✓ MEP Layouts

PERSONAL DETAILS

Nationality
Indian

Age
25 Years Old

Gender
Male

Linguistic Abilities
English, Hindi & Bengali

License Details
Holding a UAE driving license

Marital Status
Single