

JESSICA SANTOS RODRIGUEZ

Industrial Engineer

Industrial Engineer experienced on Medical Devices Manufacturing and Digitization Projects, convinced about how integrated thinking (productivity, quality, economical, sustainability) held by innovative tools, data insights and digital solutions, design the business path toward the accomplishment of all stakeholders expectations.

Interests:

- Process analysis and documentation for reducing time, effort, and scrap (looking forward lowering costs and taking advantage of human talent for higher-level activities) and assuring the methodological sequence in operations execution.
- Data analysis for the identification of trends and patterns. Data modeling and forecasting to conduct resources and activities planning.
- Digital transformation, the tools for better decisions-taking processes and effective time and resources usage.
- Design of projects considering tech-apps for tracking progress, metrics and mission empowerment of each project member.



CONTACT INFORMATION

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COMPETENCIES

- Teamwork and leadership skills
- Creative thinking and problem solving
- SolidWorks, Autocad, Minitab
- E-Draw, Visio
- Arena, Flexim
- Microsoft Project

LANGUAGES

English

Advanced

Chinese

Elementary

Spanish

Native

EXPERIENCE

May 2021 - Present

Project Engineer

Grupo Viamar

- Present and evaluate the proposal of suppliers for the assigned projects.
- Design and standardize the work scheme to follow in the projects.
- Evaluate costs and benefits of projects and suppliers.
- Provide support and technical supervision in technology projects, construction, and implementation of new processes.
- Improve and seek better work alternatives in accordance with international industry standards for increasing the competitiveness of the company.
- Prepare planning, cost, and investment budgets for projects.
- Provide strategic support for the needs of the administration.
- Coordinate and monitor project activities.
- Ensure the proper implementation of project elements.

Apr 2018 - Jul 2019

Department Supervisor

Bunker

- Responsible for designing, planning and coordinating the execution plans for massive documents scanning, indexing process and batches output.
- Design of the schedules for the digitization projects, providing details of activities progress and execution time to the customer.
- Ensure the alignment of the project plan with the service-level agreement (SLA) negotiated with the customer, emphasizing the terms of time, quality and cost.
- Conduct the allocation and distribution of personnel, production line equipment setup, and daily productivity tracking.
- Present the status and progress information regarding the projects and the department's key indicators performance (KPIs) in weekly managers meeting.

Jan 2017 - Apr 2018

- Developed the Images Quality Inspection standard operating procedure (SOP) as process-integrated control point for the detection and record of the principal nonconformities.
- Redesigned the production line's layout for adapting the process to the dynamic flow of the documents containers.

Manufacturing Group Leader

Medtronic

- Provide leadership and line management for a production line focused in the assembly of a laparoscopic clip applier used in endoscopic procedures.
- Adequate the monthly production commitment into a daily plan considering the required changeovers and available working hours.
- Prepare the order materials and documentation forms following the SOPs for each product type process.
- Plan and coordinate with team leaders the distribution matrix of operators per work station and its periodical changes.
- Prepare a detailed daily report about the performance of the line, output, KPIs, process stops, and in general manufacturing occurred opportunities.
- Evaluate and train team leaders and operators in compliance with process and safety procedures.
- Present the lines shifts performance in the process review daily meeting to the multidisciplinary team.
- Plan and coordinate weekly overtime when required.
- Plan and supervise the cycle counts of materials.
- Participated in a software validation pilot project for monitoring scrap in
- production lines. Conducted the debugging of the software, elaborated the SOP and manual and trained personnel as the implementation specialist.

EDUCATION

Wuhan, China

Sep 2019 - Jul 2021

Master in Management Science and Engineering

Huazhong University of Science and Technology

Thesis for Master Degree: *Time Series Forecasting for Warehouse Capacity Planning.* An application of time series analysis for modeling and forecasting containers inflows in a warehouse for a Dominican company dedicated to the off-site records storage service. The case study-based research proposes the use of Autoregressive Integrated Moving Average (ARIMA) models to forecast the warehouse spacing requirements in terms of volume.

Santo Domingo, Dominican Republic

Aug 2013 - Jan 2017

Industrial Engineering

Instituto Tecnológico de Santo Domingo (INTEC)

Bonao, Dominican Republic

Aug 2011 - Aug 2013

Logistics Technician

Politécnico Ing. José Delio Guzmán

CERTIFICATIONS & COURSES

- Agile Project Management Methodology Specialized Course, PUCMM (2021)
 - XXIII Industrial Engineering Symposium: Achieving a Six Sigma Level. Leading Methods to Reduce Waste and Variability, INTEC (2016)
 - Lean Manufacturing Tools Workshop, C&E Training and Consulting (2016)
 - Occupational Health and Safety, INFOTEP (2021)
 - Professional Training Facilitator, INFOTEP (2021)
 - 5S Technique, INFOTEP (2021)
 - Environmental Management, INFOTEP (2021)
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REFERENCES



Helen Kohn

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