

Don Paul Parayil

Arlington, Texas | [LinkedIn](#) | 682-561-0463 | don.parayil@gmail.com

SUMMARY

A self-driven Industrial Engineering professional with a demonstrated history in data-driven decision-making for optimizing manufacturing, logistics, and material flow processes, minimizing costs, improving productivity, and establishing standards.

TECHNICAL SKILLS

Lean Six Sigma (DMAIC), Continuous Improvement Methodologies, SQL, Linux, Python, Git tools & Docker, Tableau, Power BI, Visio, SAP MM module system, SAS, Design failure mode and effect analysis (DFMEA) & Process failure mode and effect analysis (PFMEA), Total Quality Management (TQM), Corrective action planning, Root cause analysis, Six Sigma Green Belt, 5S, Lean Manufacturing, Kaizen process improvement, Production Part Approval Process (PPAP), Kanban, Poka-yoke, Advanced Product Quality Planning (APQP), Value Stream Mapping, Just in Time (JIT) and Statistical Process Control (SPC) methodologies, Materials Requirement Planning (MRP), Time Study, Witness Simulation Software, Supply-chain modeling, Purchasing, Warehouse Logistics Distribution & Operations, Python data analysis and visualizations in Jupyter notebook using Pandas, NumPy frameworks, LIDAR Faro scanners, Point cloud model development, VDC technologies: AutoCAD, Revit, Navisworks, ReCAP, BIM360, 3Dsmax, CATIA & Solid Works product modeling

EDUCATION

University of Texas

Arlington, Texas

Master of Science in Industrial Engineering

Graduation Date: May 2023

- Operations Research, Linear Regression Analysis, Global Supply Chain Management, Advanced Engineering Economy, Logistics Distribution Systems, Production and Inventory Control.

Mahatma Gandhi University

Kerala, India

Bachelor of Technology in Mechanical Engineering

Graduation Date: August 2016

- Member of American Society of Mechanical Engineers, Computer-Aided Design and Manufacturing, Heat and Mass Transfer, IC Engines and Combustion, Thermal Systems and Applications

WORK EXPERIENCE

Radio Frequency and Identification (RAID) Labs at University of Texas, Arlington

Arlington, Texas

Graduate Research Assistant

February 2022 – Present

- Collaborate with a team of 4 members to optimize the supply chain process of COVID-19 vaccine distributions from suppliers to the customer. The goal is to determine how to satisfy customer demand while minimizing transport costs and service through the network.
- Optimize the last mile transportation concept impacting the under-served global communities.

Daikin Middle East and Africa

Dubai, UAE

Supply Chain Consultant

January 2021 – August 2021

- Spearheaded in renegotiating contracts with senior management to achieve \$150,000 annually in cost savings, using virtual design for error-proofing and data analysis strategies for supplier competitor pricing comparisons.
- Established supplier relationships and finalized purchase orders ensuring 15% budget savings in the procurement process, while tracking WIP, production, and raw material inventories utilizing SAP MM for procurement handling and inventory management.
- Involved with production planning of various grades of air-handling units and conducted process trials of spare parts achieving an increase of productivity by 20% and traveled to different manufacturing facilities to collect data and eventually present to management of new equipment and processes.
- Achieved new sales and cost savings of 20% in the annual operating budget by developing alternate vendors for spares and service parts, conducted a 5-Why analysis for failures, and devised a cost improvement plan to reduce material consumption by 5-8% during the built cycle.

DUPOD Industries L.L.C

Dubai, UAE

Manufacturing/ Supply Chain Engineer

February 2020 – January 2021

- Consolidated technical documentation verifying alignment with international codes of practice such as NFPA, ASHRAE, BS standards achieving 10% budget savings, also meeting project KPI targets.
- Prepared management reports on manufacturing KPIs, consumption of direct materials, and manufacturing costs of each modular pod, applying OEE metrics and variance analysis (actual vs budget/std), presenting them in monthly board meetings.
- Accomplished RFP/RFQs proposals to purchase orders for 3PL material suppliers & vendors by negotiating price and generating revenue by 10%, while securing the best pricing and ensuring contract compliance.

Al Shafar General Contracting L.L.C

Dubai, UAE

Mechanical Design & Procurement Engineer

December 2016 – January 2020

- Enabled communication with 3PL suppliers & vendors to ensure best competitive pricing and on-time material delivery exceeding sales goals by 11% MTD, while analyzing KPIs on current operations, scheduling, sourcing, warehousing, construction, and delivery.
- Empowered a team of 10 members for Expo2020 Dubai Sustainability Pavilion project in charge of the procurement of goods and services on behalf of the company, analyzing tenders and estimation costs for commercial bids making \$50,000 in project cost savings, also assisted them in cost-saving design techniques using VDC software such as Revit BIM Models, VR Models, and LIDAR scanners.
- Coordinated with cross-functional teams in sourcing, operations, and design engineering to facilitate the design, production, test, and qualification of Fire Protection, BMS, and HVAC systems increasing productivity by 30% while achieving project completion with minimum material waste and generating profits.

HONORS & ACHIEVEMENTS

- Member, Institute of Industrial and Systems Engineers
- Panel Speaker, BUILDIT 2020 Middle East Conference driving tech and innovation in the built industry.
- Dubai Civil Defense Certified Engineer, Dubai, UAE

January 2022

December 2020

December 2018