

ALEJANDRO JAIMES CASTILLO

MECHANICAL ENGINEER

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SUMMARY

Mechanical engineer with a lead-by-example, results-oriented and hands-on mentality, bringing leadership, drive and over ten years of experience.

Team leader in the redesign of a plant layout, analyzing the workflow to reduce operation times, reduce waste and increase productivity.

Client representative providing technical guidance to clients, collaborating in the design of wells and tool configurations, with the ability to coordinate operations, communicate at different levels and track project progress.

Operations manager with the ability to set goals, run company operations, meet project deadlines, build meaningful relationships, and implement effective strategies that create business opportunities and revenue.

Field engineer working in challenging environments delivering drilling services in the oil and gas industry. Adept at overseeing the maintenance and calibration processes, programming tools, installing sensors, running operations, and performing troubleshooting.

HIGHLIGHTS OF QUALIFICATIONS

- CAD modelling skills in SolidWorks and AutoCAD.
- Project Management and agile methodology using MS Project.
- Strategic planning, forecasting, and supply chain management.
- Quality control management utilizing quality tools, statistical techniques (Minitab), and DMAIC methodology.
- Strong Lean culture.
- ERP systems through the implementation of the SAI ERP.
- Hazard Analysis and Risk Control assessments

PROFESSIONAL ACHIEVEMENTS

- Founder of Pet Way Mexico, a retail business with two operating branches, an online store and sustained profitability and growth.
Mexico City, 2016-2022
- Lead engineer delivering top-tier drilling services in deep-water well, reducing operative times and securing market share for the company.
Exploration well Vasto 1001 well, Mexico Marine 2015-2016.
- Introduction of the GeoSphere logging service in Mexico, coordinating and executing the job, collaborating with the design team and management, opening a new market for the company.
Introduction of GeoSphere (reservoir mapping-while-drilling) tool at Yaxche 10H well, Mexico Marine 2015.

EDUCATION

Advanced Manufacturing Management (With Honours), Graduate Certificate

Sheridan College

Brampton, ON

Sept 2021 - Apr 2022

Industry Project

Plant Layout Improvement at Polar Bear Water Source Heat Pumps Manufacturing Inc.

Jan 2020 - Apr 2022

The project includes comprehensive research, an analysis of the current scenario, layout redesign proposals, recommendations to enhance production, and a detailed implementation plan. While working on the project, lean implementation was initiated using the 5S methodology, and bottlenecks were identified and eliminated, increasing production efficiency by 9.2%.

B.A.Sc. Mechanical Engineering, Minor in Electrical Engineering

Tecnológico de Monterrey, Campus State of Mexico.

Mexico City, Mex.

Aug 2003 - Dec 2007

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WORK EXPERIENCE

Business Development and Operations Manager of Pet Way

Mexico City, Mexico (Mar 2016 - Dec 2021)

- Implement strategic planning, forecasting, supply chain and inventory management to drive productivity and profitability.
- Establish commercial relations with suppliers and manage the supply chain and inventory.
- Control budget and ensure financial growth through productivity and analysis of results.
- Implement the ERP system SAI to manage the operations, forecasting and decision-making processes.

Drilling Services Supervisor and Customer Representative at Schlumberger Limited

Tamaulipas and Veracruz, Mexico (Feb 2014 - Feb 2015)

- Collaborate with drilling engineers in the design and tool configurations of every job.
- Validate data quality following applicable standards and promote a service quality culture.
- Coordinate personnel, assign tools and manage supplies logistics.
- Develop and maintain accurate project timelines to effectively forecast jobs and plan with the maintenance and operations teams.
- Monitor drilling operations continuously, provide technical support and assistance to clients and assigned personnel.
- Prepare and present results in post-job meetings with the client.
- Follow up on non-conformities and present updates to the client with action plans to prevent future eventualities.

Field Engineer at Schlumberger Limited

Mexican East Cost, Mexico North and South, Mexico (Apr 2008 - Feb 2016)

- Programming, assembling, testing and running drilling tools to deliver high-quality measurements and logging while drilling services in the oil and gas industry.
- Monitor and analyze drilling mechanics data towards tool performance optimization and shocks and vibrations mitigation.
- Perform quality assurance validation of data and client deliverables.
- Calibrate drilling and nuclear tools.
- Perform advanced troubleshooting and provide solutions to logging system breakdowns in situ.
- Collect and analyze data to collaborate in failure analysis to determine the root cause.
- Comply with all HSE policies and procedures.

RELEVANT SKILLS

SolidWorks
AutoCAD
Minitab
MS Project
JavaScript
Python
Microsoft Excel
DMAIC Methodology

LANGUAGES

English: advanced level *IELTS C1*
Spanish: native language
French learner; current proficiency level: ★★★★★

OTHER COURSES

Lean Methodology (40 hours).

Schlumberger Limited.
Online-based course, Dec 2015.

INTERESTS

- Explore nature
- Tennis
- Coding
- History
- Science