

ALAWI SAYID, BEng - Mechanical

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Summary

Energetic Mechanical Designer with strong background in mechanical design, project management and cost estimation. Adept at analyzing specifications, preparing accurate proposals, and overseeing project execution from inception to completion. Proven ability to collaborate with cross-functional teams, ensuring projects are delivered on time, within scope, and on budget. Committed to continuous growth, eagerly adapting to new challenges and acquiring new skills efficiently.

Skills

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| <ul style="list-style-type: none">○ Mechanical Engineering○ CAD (AutoCAD, SolidWorks, Inventor)○ Engineering Codes & Standards (ASME, CSA, ANSI, ASTM)○ Stakeholder & Vendor Coordination○ Maintenance & Reliability | <ul style="list-style-type: none">○ Project Planning & Execution○ Cross-Functional Team Collaboration○ Technical Writing & Documentation○ Analytical & Time Management○ Verbal & Written communication○ Effective Problem-Solving |
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Experience

Mechanical Designer / Estimator

08/2022 to 01/2025

Fil-Trek Corporation

Cambridge, ON

- Delivered tailored filtration product solutions to clients that adhered to specifications and industry standards including ASME Section VIII, Div. 1.
- Prepared and reviewed technical drawings and data sheets, ensuring accuracy and compliance with client needs.
- Coordinated with suppliers to obtain estimates for major material including sheet metal, plates and structural steels, contributing to the development of accurate project budgets and proposals.
- Maintained proactive communication with clients, ensuring project milestones and expectations were met.
- Collaborated with engineering, purchasing, logistics, and sales teams to streamline project execution.
- Managed end-to-end project lifecycles, ensuring alignment with budgets, schedules, and technical requirements.
- Utilized SolidWorks to deliver high-accuracy technical drawings, reducing approval times by 20%.

Mechanical Design Engineer, METAL FABRICATION

06/2020 to 05/2022

Ambhulo Fabricators Ltd-Mombasa

Mombasa, KE

- Reviewed customer drawings, specifications and production routing for new purchase orders.
- Developed engineering designs and shop fabrication drawings from preliminary concepts, sketches, calculations and other data.
- Produced detailed drawings using AutoCAD and SolidWorks and transferred to the Sales Representative, Production Manager and client.
- Updated drawings throughout the project lifecycle and maintained all drawing records and CAD files/library.
- Complied with all quality-related policies, procedures and system requirements.

Design/ Project Engineer (Mechanical)
E.I Williams Industries

02/2017 to 05/2020
Ajax, ON

- Prepared work scopes, estimated material and time costs for manufacture of acoustic enclosures and silencers for blowers, engines and vent/ blow off.
- Wrote technical proposals and project specifications for clients in response to RFQs.
- Performed sizing and selection of silencers; reviewed pressure drop calculations; sound/ acoustical performance analysis and recommended silencing requirements.
- Created CAD models and drawings using SolidWorks and AutoCAD for production and CNC machine.
- Supported engineering designs through analysis and simulation using SolidWorks FEA design tool.
- Ensured compliance with product specifications and standards requirements.

Internships

Mechanical Engineer Co-op – Reliability & Maintenance Team
Vale - Long Harbour Processing Plant

04/2014 to 05/2015
Long Harbour, NL

- Participated in the development of reliable maintenance strategies aimed at identifying critical equipment and proposing Preventative Maintenance program by performing Root Cause Analysis.
- Interfaced with contractors; coordinated and completed site-wide Acid Lines Ball Valves inspection, repair and maintenance; project targeted to improve production and ensure reliability and safety.
- Worked with Process Engineering Personnel & Business Systems Engineering department to develop Risk Based Inspection program by providing timely and accurate data.
- Assisted in maintaining overall processing site safety by adhering to the Vale's SafeProduction site health and safety program as detailed in the policies.

Piping Project Engineer Co-op
Cahill Group of Companies (KBAC Constructors)

09/2013 to 12/2013
Long Harbour, NL

- Reviewed and edited FIWP based on existing field changes using Navisworks, AutoCAD and BlueBeam to reflect material quantity take-off, construction changes and completions.
- Assisted piping field engineers on redlining and preparation of As-built drawing for the Instrument Air.
- Involved in field investigations of FRP pipe joints failure points and revised bolts torque.
- Observed and adhered to KBAC Constructors' absolute zero safety culture.

Academic Background

Bachelor of Engineering: Mechanical

Memorial University of Newfoundland, St. John's, NL, 2016.

Training & Certifications

- Project Management Foundations, *University of Toronto, School of Continuing Studies*, 2018.
- ASME B31.3 - Process Piping Design, *North York College*, 2017.
- NACE CIP Level 1 - Coating inspection, *NACE International Institute*, 2016.
- Certified SolidWorks Associate (CSWA) - Mechanical Design, *Dassault Systèmes*.

Hobbies

Photography, Cryptocurrency, Traveling.

Learn more about me @: <https://www.asayid.com/>