

RYAN KOWALSKI

SENIOR MECHANICAL ENGINEER, PE

Grand Rapids, MI | ryan.kowalski@example.com | +1 555 014 7720

[LinkedIn](#)

PROFILE

Licensed mechanical engineer with nine years designing hydraulic and packaging equipment. I take products from requirements to production launch, lead small design teams and write drawings a machinist can read the first time.

EXPERIENCE

- Senior Mechanical Engineer at Lakeshore Packaging Machinery, Grand Rapids, MI

April 2021 - Present

 - Lead a team of four engineers on a new case packing machine platform, from concept to the first 30 units shipped
 - Redesigned the infeed frame from a weldment to bolted sheet metal, cutting cost per machine by \$4,200 and build time by two days
 - Set up gate reviews with manufacturing and field service, which cut late engineering changes on the platform by about half
 - Mentor two junior engineers through their first product releases and their FE exams
- Mechanical Design Engineer at Ridgeway Fluid Power, Holland, MI

June 2017 - March 2021

 - Designed a cast aluminum hydraulic manifold that went from prototype to 8,000 units a year
 - Led the DFMEA for a new cylinder line and closed 14 high-priority risks before design freeze
 - Found the root cause of a rod seal failure in the field through teardown and pressure data, and released a fix in six weeks
 - Moved a machined bracket to a die casting with the supplier, cutting part cost by 40%
- Product Engineer at Great Lakes Climate Systems, Grand Rapids, MI

July 2015 - May 2017

 - Modeled and detailed 60 sheet metal and machined parts in SolidWorks for a new rooftop HVAC unit
 - Built a fan vibration test fixture and wrote the procedure the lab still uses
 - Updated 120 legacy drawings to ASME Y14.5 during a drawing cleanup project

SKILLS

CAD and PLM: SolidWorks, Creo, Windchill, SolidWorks PDM, AutoCAD
Analysis: ANSYS Mechanical, hand calculations, tolerance stack-ups, MATLAB
Manufacturing: Sheet metal, welding, CNC machining, die casting, DFM and DFA
Quality: GD&T (ASME Y14.5), DFMEA, PFMEA, root cause analysis, 8D

LICENSES AND CERTIFICATIONS

- Professional Engineer (PE), Mechanical from State of Michigan

February 2021

Certified SolidWorks Professional (CSWP) from Dassault Systèmes

September 2018

Six Sigma Green Belt from ASQ

November 2019
- EDUCATION

- B.S. in Mechanical Engineering at Michigan Technological University, Houghton, MI** **August 2011 - May 2015**
- LANGUAGES

- English** - Native
Polish - Conversational