

Patrick W. Moreland
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Value Proposition: I bring a unique blend of production skills, technical skills and sales orientation to a complex production environment.

Production Skills:

- Functional Production Management of welders, machinists and fitters producing heavy duty hydraulic foundation drills at Bay Shore Systems.
- Lean Six Sigma: Completed BMGI Lean Six Sigma Green Belt Course.
- Lean Manufacturing: Setup Kanban processes for managing a warehouse for approximately 1000 discrete parts.
- Initial Cost estimates: Consistently accurate within 2-5% of final assembly costs.

Technical Competencies:

- CNC Lathe, Milling Machine, Router Operation.
- 2D & 3D CAD Modeling including SolidWorks, Autodesk Inventor and other systems.
- CNC Programming utilizing Autodesk Fusion 360, BobCAD/CAM and MTC Pronest.
- Strong Background in Metallurgy, Metal Casting and Welding including brass, bronze, aluminum, 8620 and 4140 steel alloys. (Just completed building a computer controlled electric metals melting furnace. My own design. 2100°F Temperature)

Sales Engineering Support:

- Customized Product Design based upon purchasers specifications.
- Product Cost/Savings Analysis for prospective buyers.
- Ability to communicate highly technical items to less technical partners and customers.

Work Experience:

Tooling Machinist:

LA Aluminum Casting Company, Hayden, ID Present

Engineer/Designer/CNC Router Operator:

Veterans Garage, Spokane, WA 2016-2018

Contractor, Engineer, Machine Shop Operator, Care Giver:

Self Employed, Spokane, WA 2003-2016

Engineer/Draftsman:

Work, Tools & Services, Inc., Spokane, WA 2002-2003

Mechanical Engineer:

Bay Shore Systems Inc., Rathdrum ID 1998-2002

Mechanical Engineer:

Thomas J Gerard & Assoc. Inc., Spokane, WA 1994-1998

Education:

Gonzaga University: Spokane, WA

- **Bachelor of Science, Mechanical Engineering**
- **Bachelor of Business Administration, Management Science**

Programs: SolidWorks, AutoDesk Fusion 360, AutoCAD/DraftSight, Geomagic 3D, BobCAD CAM/CNC, Flashcut CNC, MS Office, Project and Publisher.