

FNAME LNAME

8528 Jackson Lane ✧ Texas City, Texas 00000
Cell 000.000.0000 ✧ Fname.Lname@gmail.com

SENIOR MANUFACTURING ENGINEER

Aerospace Defense / Industrial & Aerospace Hydraulics / Oil Field Manufacturing

Accomplished, high-energy Senior Manufacturing Engineer with 20 years experience in Manufacturing Processes, CAD/CAM Management and Computer Integrated Manufacturing Management. Strong qualifications introducing technologies and process improvement initiatives to create technologically advanced, cost-efficient manufacturing operations. Superior knowledge of Lean Manufacturing. Informally trains and mentors team members. Exceptional interpersonal communicator, establishes relationships with management, designers, engineers, supervisors, quality inspectors, machinists, installers and contractors. Proficient in MS Office Suite, ProEngineer, CAD/CAM, Wildfire, APT, AutoCAD, Oracle, Mastercam and Catia V4&5, Teamcenter Metaphase PDM, VAS and JSF Data Library.

KEY STRENGTHS

- ◆ Manufacturing Methods
- ◆ Production Workflow
- ◆ Numerical Control Techniques
- ◆ Computer/System Operations
- ◆ CAD/CAM Implementation
- ◆ ROM Estimates
- ◆ Training/Coaching/Mentoring
- ◆ Procurement Procedures
- ◆ Network Administration
- ◆ GD&T
- ◆ Manufacturing Planning
- ◆ Lean Manufacturing

PROFESSIONAL EXPERIENCE

ABC Technologies, Dallas, Texas

2007 – Present

SR. MANUFACTURING ENGINEER

Recruited as Manufacturing Engineer for JSC-NASA.

- ◆ Collaborated with Engineering Project Teams and customers to provide recommendations, support and improvements to existing machining processes used in the manufacture of space flight hardware, ground support equipment and research mockups.
- ◆ Monitored Johnson Space Center Projects; assessed readiness to enter manufacturing.
- ◆ Monitored/clarified customer requests; provided status and coordinated priority changes with project team and customer.
- ◆ Conveyed drawing updates/corrections to project engineers; coordinated the input of drawings into Manufacturing Services.
- ◆ Generated Virtual Work Authorization requests using ProE Windchill and production routers using Vantage.

Aerospace – OTS, Dallas, Texas

2006 – 2007

SR. MANUFACTURING ENGINEER

Acted as Manufacturing Engineer/NC Programmer for the Tactical Air Munitions Operation. Interface with Production, Quality Control, Maintenance, Safety, and Purchasing to support and improve machining processes and programs for the manufacture of tactical air munitions.

- ◆ Supported forging operations machining, in the production of commercial and aerospace forgings.
- ◆ Prepared Capital Appropriations Request Proposals and the projects they funded.
- ◆ Liaised with production machining management on manufacturing and CNC programming issues.

Aerospace Aeronautics, Houston, Texas

2001 – 2006

MANUFACTURING ENGINEER, Inner Wing Substructure Group (2003 – 2006)

Counseled with designers, NC Programmers, Quality Engineers and Producibility Engineers to incorporate ease of manufacturing criteria into new design releases. Resolved manufacturing problems between buyers and machine shops. Interacted with foreign national partners as required under International Traffic in Arms Regulations. (ITAR)

- ◆ Contributed to the manufacture and assembly of the new Fifth Generation Fighter and its two variants.
- ◆ Developed a Variation Management Analysis for a fuel booster pump mounting, resulting in the recovery of four pounds of usable fuel.
- ◆ Demonstrated leadership in assuming responsibility for assignments, schedules and reports for Lead Engineer in his absence.
- ◆ Recognized with the “SPOT” Award in 2005 for outstanding performance in manufacturing engineering support. Rated “Exceptional Contributor” at annual review.

SFM DEPLOYMENT SPECIALIST (2002 – 2003)

Initiated and supported implementation of an Electronic Work Instruction system to the factory floor.

- ◆ Planned and implemented the deployment of 80+ EWI workstations in the Machine Fabrication department.
- ◆ Designed a mounting system for the EWI terminal on Gantry Milling machines.
- ◆ Consulted with SFM Subject Matter Expert to incorporate specialized peripheral tasks and requirements.

MANUFACTURING PROCESS ENGINEER, Camden, Arkansas (2001 – 2002)

Coordinated the design, manufacture and inspection of tools, detail parts and assemblies on assigned programs. Ensured the compatibility of design requirements with current technology, tools, facilities and production resources.

- ◆ Formulated and documented illustrated setup and assembly procedures for the launcher platform on a five axis Gantry Mill.
- ◆ Generated and managed Cause and Corrective Action Notifications for non-conforming detail parts.

Montgomery Aerospace, Durham, North Carolina

1998 – 2001

MANAGER, INFORMATION TECHNOLOGY

Executed startup of all computer related activities and systems for the Charleston Machining Center, a new Center of Excellence facility for machining aerospace hydraulic parts.

- ◆ Installed 85 PCs, 4 NT servers and 12 printers in the new NT Server Domain. Oversaw installation of 100BaseT wiring and switch additions.
- ◆ Supervised installation of Lucent Definity phone and voice messaging and added a five user APT client-server NC Programming system on the LAN.
- ◆ Configured a CribMaster tool/gage inventory system on Oracle client-server network and installed a DNC system for 50 machine tools with their file management system. Implemented WinNT4, Oracle 8i and a UNIX phone system.

Gentry, Inc., Searcy, Illinois

1985 – 1998

MANAGER, INTERACTIVE GRAPHICS

Managed and provided help desk support to users of CAD, CAM, CAPP, NC, DNC and client server technologies in a hydraulic valve manufacturing facility. Supported maintenance and upgrades for all systems.

- ◆ Upgraded a two station Calma system into a five station system. Installed and upgraded a computer aided numerical control programming system.
- ◆ Installed a DNC system with 45 machine tools; wrote 27 Generalized postprocessors.
- ◆ Evaluated and selected Pro Engineer as replacement CAD/CAM system. Expanded use of CAM implementation of Pro Manufacturing and AutoPro in concurrent engineering.

SUMMARY OF PREVIOUS EMPLOYMENT

Aerospace Manufacturing Company, Galveston, Texas, 1979 – 1985

System Manager/Numerical Control Coordinator

Supervisor, N/C & Tool Engineering

Senior N/C Engineer

EDUCATION

Bachelor of Science, Industrial Technology

Pittsburg State University, Pittsburg, KS

Major area of study: Manufacturing Technology