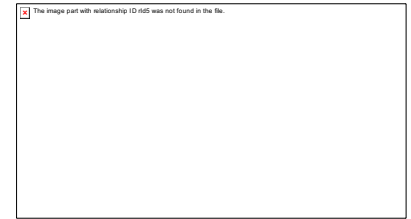| Job Title:	CNC Programmer/Sr. CNC Programmer
Department:	Programming
Division:	Aerospace
Reporting:	
Employment Type:	Regular/Contract

CNC Programmer:

A CNC programmer writes code offline using Siemens UG NX to automate power driven machines that cut and finish metal such as lathes, grinders and mills. CNC Programming for geometry creation, toolpath generation and toolpath post processing for Turning (VTL & HTL), Milling (2, 3 & 5 axes) & Mill turn machines.

Sample Job Description for a CNC Programmer:

• Creates instructions for machinists.
• Reviews 3D CAD design blueprints.
• Makes calculations for programming including where materials should be cut.
• Translates instructions into a computer automated manufacturing (CAM) program for
  Fanuc, Heidenhain, or Siemens Controls.
• Checks completed programs by running simulations or tests using Visual.
• Prepares geometric layout of designs using Siemens UG NX.
• Determines sequence of operations in a program.
• Chooses cutting tools that will be needed.
• Analyzes job order and performs necessary calculations.
• Writes programs and modifies existing ones for increased efficiency.
• Analyzes and selects speeds and cutting tools for programs.
• Makes improvements to set up times for a task and contouring of complex shapes.
• Simplifies tooling time for workers and increases productivity for the company.
• Monitors all programs to make sure they follow blueprint instructions and safely and
  successfully complete the task.
• Complies with all safety rules and regulations.

Education And/or Experience Required:

• MTech / B. Tech in Mechanical Engineering
• Prior experience in R&D / Engineering as CAM Engineering.
• Sound Technical knowhow of turbine rotating parts and its functionality.
• Knowledge of CNC Programmer Milling and Turning Tools UGNX and Knowledge of systems Hyper mill.
• Experience on two domain Aerospace and Automobile.
• Offline CAM programming with co-ordination of US team.

Job Title:	Manager_CNC Programmer
Department:	Programming
Division:	Aerospace
Reporting:	Value Stream Manager
Employment Type:	Regular/Contract

Manager_CNC Programmer:

Apply fundamental knowledge of CNC Programming for geometry creation, toolpath generation and toolpath post processing for Turning (VTL & HTL), Milling (2, 3 & 5 axes) & Mill turn machines.

Provide safe and efficient CNC programs and all supporting documentation to the shop.

Sample Job Description for a CNC Programmer:

- Provide safe and efficient CNC programs and all supporting documentation to the shop.
- Translates instructions into a computer automated manufacturing (CAM) program for Fanuc, Heidenhain, or Siemens Controls.
- Verifies NC programs are in accordance to required drawings, specifications and quality system.
- Programming on Okuma Machines. CNC Milling and CNC Turning programmer.
- Aerospace turbine engine parts
- Assist in documenting CNC standard operating processes and procedures.
- Provide information as required to measure the CNC process. (Programming hours, part cycle times, etc.)
- Assist in process improvements to reduce manufacturing costs and enhance the quality of parts being produced.
- Provide input and assistance in the creation and debugging of postprocessors for a variety of machine/control configurations.
- Assist in training CNC fundamentals & manufacturing process to others.
- Display an attitude conducive to progress through positive change and continuous improvement.
- Actively contribute to the teamwork concept.
- Other duties as assigned.

Education And/or Experience Required:

- B.Tech /BE in Mechanical or Industrial & Production Eng.
- 8 to 15 years of experience in UG/NX CAM programming.
- Must be able to read and interpret complex machining drawings.
- Knowledge of G & M codes, cutting tools & cutting parameters are must.
- Experience in Hyper mill and NC verification software.